



STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION



2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

Phone: 860-594-3128

September 24, 2015

Subject: Project No. 92-669

F.A.P. No. 0911(131)

Rehabilitation of Bridge No. 03014A I-91 NB over Mill River, State Street and Ramp 140.

NOTICE TO CONTRACTORS:

This is to notify all concerned and especially the prospective bidders that the bid opening for the subject project is still scheduled for October 14, 2015 at 2:00 P.M. in the Conference Room of the Department of Transportation Administration Building, 2800 Berlin Turnpike, Newington, Connecticut.

Addendum No. 1 is attached and can also be obtained on the Statewide Contracting Portal at http://www.biznet.ct.gov/scp_search/BidResults.aspx?groupid=64

This addendum is necessary to add a Permit Application.

Pre-Bid Questions and Answers: Questions pertaining to DOT advertised construction projects must be presented through the CTDOT Pre-Bid Q and A Website. The Department cannot guarantee that all questions will be answered prior to the bid date. **PLEASE NOTE - at 12:01 am, the day before the bid, the subject project(s) being bid will be removed from the Q and A Website, Projects Advertised Section, at which time questions can no longer be submitted through the Q and A Website. At this time, the Q and A for those projects will be considered final, unless otherwise stated and/or the bid is postponed to a future date and time to allow for further questions and answers to be posted.**

Harold J. Emond

For: Gregory D. Straka
Contracts Manager
Division of Contracts Administration

SEPTEMBER 25, 2015
REHABILITATION OF BRIDGE NO. 03014A,
I-91 NB OVER MILL RIVER, STATE STREET AND RAMP 140
FEDERAL AID PROJECT NO. 911(131)
STATE PROJECT NO. 92-669
CITY OF NEW HAVEN

ADDENDUM NO. 1

PERMIT APPLICATIONS

The following Permit Applications are hereby added to the Contract:

- CERTIFICATE OF PERMISSION – APPLICATION
- FLOOD MANAGEMENT GENERAL CERTIFICATION - APPLICATION

The Bid Proposal Form and Detailed Estimate Sheets are not affected by these changes.

There will be no change in the number of calendar days due to this Addendum.

The foregoing is hereby made a part of the contract.

INTERDEPARTMENTAL
MESSAGE

STATE OF CONNECTICUT

To	NAME, TITLE	DATE
	Central Permit Processing Unit, 1st Floor	June 17, 2015
	AGENCY, ADDRESS	
	Department of Energy and Environmental Protection, 79 Elm Street, Hartford, CT 06106	
From	NAME, TITLE	TELEPHONE
	Mark W. Alexander, Transportation Assistant Planning Director	860-594-2931
	AGENCY, ADDRESS	
	Department of Transportation, 2800 Berlin Turnpike, Newington, CT. 06131-7546	

Subject: **State Project No. 92-669**
Bridge No. 03014A
Interstate 91 Northbound over the Mill River
City of New Haven

Attached is one original and two copies of the certificate of permission (COP) associated with the above referenced project.

Any questions pertaining to this application may be directed to Mr. Andrew H. Davis, Transportation Supervising Planner of my staff, at (860) 594-2157.

Attachments

Richard Canavan/rwc

cc: Robbin L. Cabelus – Mark W. Alexander
Andrew H. Davis – Christopher Samorajczyk
Timothy D. Fields – Andrew J. Cardinali – Dobiesława A. Kania
Mark D. Rolfe – Brian Mercure
Jacob J. Argiro – Donald P. Wurst – Susan K. Bakulski

DEPARTMENT OF ENVIRONMENTAL PROTECTION
CENTRAL PERMIT PROCESSING UNIT

JUN 18 2015

RECEIVED BY

B.C.



Connecticut Department of
Energy & Environmental Protection

CPPU USE ONLY

App #: _____

Doc #: _____

Check #: _____

Permit Application Transmittal Form

Please complete this transmittal form in accordance with the instructions in order to ensure the proper handling of your application(s) and the associated fee(s). Print legibly or type.

Part I: Applicant Information:

- *If an applicant is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, applicant's name shall be stated exactly as it is registered with the Secretary of State.*
- *If an applicant is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).*

Applicant: **Connecticut Department of Transportation**

Mailing Address: **2800 Berlin Turnpike**

City/Town: **Newington**

State: **CT** Zip Code: **06131-7546**

Business Phone: **860-594-2931**

ext.:

Contact Person: **Thomas J. Maziarz**

Phone: **860-594-2001** ext.

E-Mail: **thomas.maziarz@ct.gov**

Applicant (check one): ☐ individual ☐ *business entity ☐ federal agency ☒ state agency ☐ municipality ☐ tribal

*If a business entity, list type (e.g., corporation, limited partnership, etc.):

☐ Check if any co-applicants. If so, attach additional sheet(s) with the required information as supplied above.

Please provide the following information to be used for *billing purposes only*, if different:

Company/Individual Name:

Mailing Address:

City/Town:

State: Zip Code:

Contact Person:

Phone: ext.

Part II: Project Information

Brief Description of Project: *(Example: Development of a 50 slip marina on Long Island Sound)*

Rehabilitation of Bridge No. 03014A, Interstate 91 Northbound over the Mill River in the Town of New Haven. The project bridge has been identified as structurally deficient.

Location (City/Town): **New Haven**

Other Project Related Permits (*not* included with this form):

Permit Description	Issuing Authority	Submittal Date	Issuance Date	Denial Date	Permit #
Flood Management General	ConnDOT	4/15/2015	4/21/2015		

Part III: Individual Permit Application and Fee Information

New, Mod. or Renew	Individual Permit Applications	Initial Fees	No. of Permits Applied For	Total Initial Fees	Original + Required Copies
	AIR EMISSIONS				
	New Source Review <input type="checkbox"/> Revision <input type="checkbox"/> minor mod	\$940.00			1 + 0
	Title V Operating Permits <input type="checkbox"/> Revision <input type="checkbox"/> minor mod <input type="checkbox"/> non-minor mod	none			1 + 0
	Title IV	none			1 + 0
	Clean Air Interstate Rule (CAIR)	none			1 + 0
	WATER DISCHARGES				
	To Groundwater	\$1300.00			1 + 1
	To Sanitary Sewer (POTW)	\$1300.00			1 + 1
	To Surface Water (NPDES)	\$1300.00			1 + 1
	INLAND WATER RESOURCES-				
	Dam Safety	none			1 + 2
	Flood Management Certification	none			1 + 1
	Inland Wetlands and Watercourses	none			1 + 5
	Inland 401 Water Quality Certification	none			
	FERC- Hydropower Projects- 401 Water Quality Certification	none			1 + 1
	Water Diversion	★			1 + 5
	OFFICE OF LONG ISLAND SOUND PROGRAMS				
New	Certificate of Permission	\$375.00	1	N/A	1 + 2
	Coastal 401 Water Quality Certification	none			1 + 2
	Structures and Dredging/and Fill/Tidal Wetlands	\$660.00			1 + 2
	WASTE MANAGEMENT				
	Aerial Pesticide Application	★			1 + 2
	Aquatic Pesticide Application	\$200.00			1 + 0
	CGS Section 22a-454 Waste Facilities	★			1 + 1
	Disruption of a Solid Waste Disposal Area	\$0			1 + 1
	Hazardous Waste Treatment, Storage and Disposal Facilities	★			1 + 1
	Marine Terminal License	\$100.00			1 + 0
	Stewardship	\$4000.00			1 + 1
	Solid Waste Facilities	★			1 + 1
	Waste Transportation	★			1 + 0
	Subtotal ➡		1		
	GENERAL PERMITS and AUTHORIZATIONS	Subtotals Page 3 & 4 ➡			
	Enter subtotals from Part IV, pages 3 - 6 of this form	Subtotals Page 5 ➡			
		Subtotals Page 6 ➡			
	TOTAL ➡		1		
	<input type="checkbox"/> Indicate whether municipal discount or state waiver applies. Less Applicable Discount ➡				
	AMOUNT REMITTED ➡				
Check # ➡		Check or money order should be made payable to: "Department of Energy and Environmental Protection"			

★ See fee schedule on individual application.

Part IV: General Permit Registrations and Requests for Other Authorizations
Application and Fee Information

✓ General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fees	Original + Required Copies
AIR EMISSIONS				
<input type="checkbox"/> Limit Potential to Emit from Major Stationary Sources of Air Pollution	\$2760.00			1 + 0
<input type="checkbox"/> Diagnostic and Therapeutic X-Ray Devices (Medical X-Ray) Registration	\$190.00/Xray device			1 + 0
<input type="checkbox"/> Radioactive Materials and Industrial Device Registration (Ionizing Radiation)	\$200.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> License Revocation Request	\$0			★★
<input type="checkbox"/> Other, (please specify):				
WATER DISCHARGES				
<input type="checkbox"/> Boiler Blowdown Wastewater	Expired- wastewater discharge authorized under MISC GP			
<input type="checkbox"/> Categorical Industry User to a POTW Discharges > 10,000 gpd Discharges < 10,000 gpd	\$6250.00 \$3125.00			1 + 0
<input type="checkbox"/> Domestic Sewage	\$625.00			1 + 0
<input type="checkbox"/> Food Preparation Establishment Wastewater	No Registration			
<input type="checkbox"/> Food Processing Wastewater	\$500.00			1 + 0
<input type="checkbox"/> Groundwater Remediation Wastewater to a Sanitary Sewer	\$500.00			1 + 0
<input type="checkbox"/> Groundwater Remediation Wastewater to a Surface Water Registration Only	\$625.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP	\$1250.00			
<input type="checkbox"/> Hydrostatic Pressure Testing Wastewater Registration Only	\$625.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP (natural gas pipelines)	\$1250.00			
<input type="checkbox"/> Miscellaneous Discharges of Sewer Compatible Wastewater Registration Only	\$500.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP	\$1000.00			
<input type="checkbox"/> Nitrogen Discharges	No Registration			
<input type="checkbox"/> Non-Contact Cooling and Heat Pump Water (Minor)	\$625.00			1 + 0
<input type="checkbox"/> Photographic Processing Wastewater (Minor)	Expired- wastewater discharge authorized under MISC GP			
<input type="checkbox"/> Point Source Discharges from Application of Pesticides	\$200.00			1 + 0
<input type="checkbox"/> Printing & Publishing Wastewater (Minor) Flow < 40 gpd	\$500.00 \$100.00			1 + 0
<input type="checkbox"/> Stormwater Associated with Commercial Activities	\$300.00			1 + 0
<input type="checkbox"/> Stormwater Associated with Industrial Activities <50 employees—see general permit for additional requirements >50 employees—see general permit for additional requirements	\$500.00 \$1000.00			1 + 0
<input type="checkbox"/> Stormwater & Dewatering Wastewaters-Construction Activities	★			1 + 0
<input type="checkbox"/> Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)	\$250.00			1 + 0

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.
(Contact numbers are provided in the instructions)

Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

WATER DISCHARGES (continued)				
<input type="checkbox"/> Subsurface Sewage Disposal Systems Serving Existing Facilities	★ ★			1 + 0
<input type="checkbox"/> Swimming Pool Wastewater - Public Pools and Contractors	\$500.00			1 + 0
<input type="checkbox"/> Tumbling or Cleaning of Parts Wastewater (Minor)	Expired- wastewater discharge authorized under MISC GP			
Vehicle Maintenance Wastewater				
<input type="checkbox"/> Registration Only	\$625.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP	\$1250.00			
<input type="checkbox"/> Water Treatment Wastewater	\$625.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization - Discharge to POTW	\$1500.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization - Discharge to Surface Water	\$1500.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization - Discharge to Groundwater	\$1500.00			1 + 0
<input type="checkbox"/> Other, (please specify):				
Note: Carry subtotals over to Part III, page 2 of this form.		Subtotal	➡	

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.
(Contact numbers are provided in the instructions)

Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

✓ General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fee	Original + Required Copies
AQUIFER PROTECTION PROGRAM				
<input type="checkbox"/> Registration for Regulated Activities	\$625.00			1 + 0
<input type="checkbox"/> Permit Application to Add a Regulated Activity	\$1250.00			1 + 0
<input type="checkbox"/> Exemption Application from Registration	\$1250.00			1 + 0
INLAND WATER RESOURCES				
<input type="checkbox"/> Diversion of Remediation Groundwater	No Registration			
<input type="checkbox"/> Diversion of Water for Consumptive Use: Reauthorization Categories	\$1000.00			1 + 2
<input type="checkbox"/> Diversion of Water for Consumptive Use: Authorization Required	\$2500.00			1 + 4
<input type="checkbox"/> Diversion of Water for Consumptive Use: Filing Only	\$1500.00			1 + 4
<input type="checkbox"/> Programmatic General Permit	★			1 + 3
<input type="checkbox"/> Water Resource Construction Activities	★			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> Notice of High Hazard Dam or a Significant Hazard Dam	\$0			1 + 0
<input type="checkbox"/> Other, (please specify):				
OFFICE OF LONG ISLAND SOUND PROGRAMS				
<input type="checkbox"/> 4/40 Docks	\$700.00			1 + 1
<input type="checkbox"/> Beach Grading	\$100.00			1 + 1
<input type="checkbox"/> Buoys or Markers	No Registration			
<input type="checkbox"/> Coastal Remedial Activities Required by Order	\$700.00			1 + 1
<input type="checkbox"/> Dock Reconstruction	\$300.00			1 + 1
<input type="checkbox"/> Harbor Moorings	No Registration			
<input type="checkbox"/> Maintenance of Catch Basins and Tide Gates	No Registration			
<input type="checkbox"/> Marina and Mooring Field Reconfiguration	\$700.00			1 + 1
<input type="checkbox"/> Minor Seawall Repair	No Registration			
<input type="checkbox"/> Non-harbor Moorings	\$100.00			1 + 1
<input type="checkbox"/> Osprey Platforms and Perch Poles	none			1 + 1
<input type="checkbox"/> Pump-out Facilities (no fee for Clean Vessel Act grant recipients)	\$100.00			1 + 1
<input type="checkbox"/> Programmatic General Permit	★			1 + 1
<input type="checkbox"/> Removal of Derelict Structures	\$100.00			1 + 1
<input type="checkbox"/> Residential Flood Hazard Mitigation	\$100.00			1 + 1
<input type="checkbox"/> Swim Floats	\$100.00			1 + 1
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> Other, (please specify):				
Note: Carry subtotals over to Part III, page 2 of this form.		Subtotal ➡		

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.
(Contact numbers are provided in the instructions)

Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

✓ General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fee	Original + Required Copies
WASTE MANAGEMENT				
<input type="checkbox"/> Addition of Grass Clippings at Registered Leaf Composting Facilities	\$500.00			1 + 0
<input type="checkbox"/> Beneficial Use Determination	★			1 + 0
Certain Recycling Facilities:				
<input type="checkbox"/> Drop-site Recycling Facility	\$200.00			1 + 0
<input type="checkbox"/> Limited Processing Recycling Facility	\$500.00			1 + 0
<input type="checkbox"/> Recyclables Transfer Facility	\$500.00			1 + 0
<input type="checkbox"/> Single Item Recycling Facility	\$500.00			1 + 0
<input type="checkbox"/> Collection and Storage of Post Consumer Paint	\$0			1 + 0
Contaminated Soil and/or Staging Management (Staging/Transfer)				
<input type="checkbox"/> New Registrations	\$250.00			1 + 0
<input type="checkbox"/> New Approval of Registrations	\$1500.00			1 + 0
<input type="checkbox"/> Renewal of Registrations	\$250.00			1 + 0
<input type="checkbox"/> Renewal of Approval of Registrations	\$750.00			1 + 0
<input type="checkbox"/> Connecticut Solid Waste Demonstration Project	\$1000.00			1 + 0
<input type="checkbox"/> Disassembling Used Electronics	\$2000.00			1 + 0
<input type="checkbox"/> Leaf Composting Facility	none			1 + 1
<input type="checkbox"/> Municipal Transfer Station	\$800.00			1 + 1
<input type="checkbox"/> One Day Collection of Certain Wastes and Household Hazardous Waste	\$1000.00			1 + 0
<input type="checkbox"/> Sheet leaf Composting Notification	\$0			★★
Special Waste Authorization				
<input type="checkbox"/> Landfill or RRF Disposal	\$660.00			1 + 0
<input type="checkbox"/> Asbestos Disposal	\$300.00			
<input type="checkbox"/> homeowner	\$0			
<input type="checkbox"/> Storage and Processing of Asphalt Roofing Shingle Waste	\$2500.00			1 + 0
<input type="checkbox"/> Storage and Processing of Scrap Tires for Beneficial Use	\$1250.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> Other, (please specify):				
REMEDIATION				
<input type="checkbox"/> In Situ Groundwater Remediation: Enhance Aerobic Biodegradation	★			1 + 2
<input type="checkbox"/> In Situ Groundwater Remediation: Chemical Oxidation	\$500.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★			★★
Note: Carry subtotals over to Part III, page 2 of this form.		Subtotal →		

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.

(Contact numbers are provided in the instructions)

Affirmative Action, Equal Employment Opportunity and Americans with Disabilities

The Connecticut Department of Energy and Environmental Protection is an Affirmative Action/Equal Opportunity Employer that is committed to complying with the requirements of the Americans with Disabilities Act (ADA). Please contact us at (860) 418-5910 or deep.accommodations@ct.gov if you: have a disability and need a communication aid or service; have limited proficiency in English and may need information in another language; or if you wish to file an ADA or Title VI discrimination complaint.



Connecticut Department of
Energy & Environmental Protection
Bureau of Water Protection & Land Reuse
Office of Long Island Sound Programs

Certificate of Permission Application Form

IMPORTANT - Please refer to the [instructions](#) (DEP-OLISP-INST-200) for completing this application form to ensure that all required information is provided. Print or type all information within the form, providing additional pages as necessary.

- ☒ If your town has a Harbor Management Commission, you must submit a copy of this application **by certified mail** to the Commission. Please check here to indicate you have done so.
- ☐ My town does not have a Harbor Management Commission.

CPPU USE ONLY	
App #:	
Doc #:	
Check #:	
Program: Certificate of Permission	

Part I: Application Description

Town where site is located:	<u>New Haven</u>
Brief Description of Project:	<u>Repairs of Bridge No. 03014A I-91 Northbound over Mill River</u>

Part II: Fee Information

A fee of \$375.00 must be submitted with this application form. Note: The fee for municipalities is \$187.50. [#4101](#)
The application will not be processed without the initial fee. The fee shall be non-refundable and shall be paid by check or money order to the Department of Energy and Environmental Protection.

Part III: Applicant Information

- If an applicant is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, applicant's name shall be stated **exactly** as it is registered with the Secretary of State. This information can be accessed at [CONCORD](#). See 1.a) ii, below.*
- If an applicant is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.)*
- If there are any changes or corrections to your company/facility or individual mailing or billing address or contact information, please complete and submit the [Request to Change Company/Individual Information](#) to the address indicated on the form. If there is a change in name of the entity holding a DEEP license or a change in ownership, contact the Office of Planning and Program Development (OPPD) at 860-424-3003. For any other changes you must contact the specific program from which you hold a current DEEP license.*

Part III: Applicant Information (continued)

1. Applicant Name: Connecticut Department of Transportation

Mailing Address: 2800 Berlin Turnpike

City/Town: Newington

State: CT

Zip Code: 06131-7546

Business Phone: 860 594-2931

ext.

Contact Person: Mark W. Alexander

Title: Trans. Assistant Planning Director

*E-mail: mark.w.alexander@ct.gov

*By providing this e-mail address you are agreeing to receive official correspondence from the department, at this electronic address, concerning the subject application. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify the department if your e-mail address changes.

a) Applicant Type (check one):

☐ individual ☐ federal agency ☒ state agency ☐ municipality ☐ tribal

☐ *business entity (*If a business entity, complete i through iii):

i) check type: ☐ corporation ☐ limited liability company ☐ limited partnership

☐ limited liability partnership ☐ statutory trust ☐ Other: _____

ii) provide Secretary of the State business ID #: _____ This information can be accessed at the Secretary of State's database (CONCORD). (www.concord-sots.ct.gov/CONCORD/index.jsp)

iii) ☐ Check here if your business is **NOT** registered with the Secretary of State's office.

b) Applicant's interest in the property at which the proposed activity is to be located:

☐ owner ☐ option holder ☐ lessee ☐ other (specify): _____

☐ Check here if there are co-applicants. If so, label and attach additional sheet(s) with the required information as Attachment E.

2. Billing Contact, if different than the applicant.

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Contact Person:

Title:

E-mail:

3. Primary contact for departmental correspondence and inquiries, if different than applicant:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Contact Person:

Title:

*E-mail:

*By providing this e-mail address you are agreeing to receive official correspondence from the department, at this electronic address, concerning the subject application. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify the department if your e-mail address changes.

Part III: Applicant Information (continued)

4. List Site Owner, if different than applicant:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Contact Person:

Title:

E-mail:

5. List Facility Owner, if different than applicant:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Contact Person:

Title:

E-mail:

6. List attorney or other representative, if applicable:

Firm Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Attorney:

E-mail:

7. List all engineer(s), surveyor(s) and/or other consultant(s) employed or retained to assist in preparing the application and designing or constructing the activity. ☐ Check here if additional sheets are necessary, and label and attach them as Attachment G.

Name: **CME Associates, Inc.**

Mailing Address: **333 East River Drive**

City/Town: **East Hartford**

State: **CT**

Zip Code: **06108**

Business Phone: **860 290-4100**

ext.

Contact Person: **Richard Canavan**

Title: **Sr. Environmental Scientist**

E-mail: **rcanavan@cmeengineering.com**

Service Provided: **Consultant Liaison Engineering**

Part III: Applicant Information (continued)

8. Provide abutting or adjacent property owners' names and addresses as Attachment C.
9. If you met with Office of Long Island Sound Program (OLISP) staff in a pre-application meeting, please note the meeting date and OLISP staff person's name:

Staff Name: DOT-DEEP LEAN meeting

Meeting Date: 4/17/2014

Part IV: Site Information and Resource Information

1. **SITE NAME AND LOCATION:**

Name of Site: Bridge No. 03014A I-91 northbound over Mill River and State Street.

Street Address or Location Description: 1075 State Street

City or Town: New Haven

State: CT

Zip Code:

Tax Assessor's Reference: Map

Block

Lot

Latitude and longitude of the exact location of the proposed activity in degrees, minutes, and seconds or in decimal degrees: Latitude: 41.31513 Longitude: -72.90806

Method of determination (check one): photo interpolation

☐ GPS ☐ USGS Map ☒ Other (please specify): CTECO map viewer

If a USGS Map was used, provide the quadrangle name: _____

2. **IS THE PROJECT SITE LOCATED IN A MUNICIPALITY WITHIN THE COASTAL AREA** (check town list in the instructions)?

☒ Yes ☐ No

3. **ENDANGERED OR THREATENED SPECIES:** According to the most current "State and Federal Listed Species and Natural Communities Map", is the project site located within an area identified as a habitat for endangered, threatened or special concern species? ☒ Yes ☐ No Date of Map: Dec. 2014

If yes, complete and submit a *Request for NDDB State Listed Species Review Form* (DEP-APP-007) to the address specified on the form. Please note NDDB review generally takes 4 to 6 weeks and may require additional documentation from the applicant.

A copy of the completed *Request for NDDB State Listed Species Review Form* and the CT NDDB response *must* be submitted with this completed application as Attachment D.

For more information visit the DEEP website at www.ct.gov/deep/nddbrequest or call the NDDB at 860-424-3011.

4. **AQUIFER PROTECTION AREAS:** Is the site located within a town required to establish Aquifer Protection Areas, as defined in section 22a-354a through 354bb of the General Statutes (CGS)?

☐ Yes ☒ No To view the applicable list of towns and maps visit the DEEP website at www.ct.gov/deep/aquiferprotection

If yes, is the site within an area identified on a Level A map? ☐ Yes ☒ No

If yes, is the site within an area identified on a Level B map? ☐ Yes ☒ No

If your site is on a Level A map, check the DEEP website, [Business and Industry Information](#) to determine if your activity is required to be registered under the Aquifer Protection Area Program.

If your site is on a Level B map, no action is required at this time, however you may be required to register under the Aquifer Protection Area Program in the future when the area is delineated as Level A.

Part IV: Site Information and Resource Information (continued)

5. **CONSERVATION OR PRESERVATION RESTRICTION:** Is the property subject to a conservation or preservation restriction? ☐ Yes ☒ No

If Yes, proof of written notice of this application to the holder of such restriction or a letter from the holder of such restriction verifying that this application is in compliance with the terms of the restriction, must be included as Attachment G.

6. **Indicate the number and date of issuance of any previous state coastal permits or certificates issued by DEEP authorizing work at the site and the names to whom they were issued:**

<i>Permit/COP Number</i>	<i>Date Issued</i>	<i>Name of Permittee/Certificate Holder</i>
unknown - structure constructed in 1965		

If information on prior state coastal permits and certificates is unknown, list names of the owners of the property since 1939 and the years owned:

The structure is an interstate highway bridge constructed in 1965. It has been owned by the CT Department of Transportation since that time.

7. Identify any changes in conditions of the site (including ownership, development, use, or natural resources) since the issuance of the most recent DEEP coastal permit or certificate authorizing work at the site:

Since the construction of the bridge in 1965, rehabilitation work has occurred in 1985 and 2001. No significant changes to size or alignment have occurred with the project bridge structure since construction. There is an active construction project near the project bridge which is the full replacement of the State Street Bridge over the Mill River which is a local road in the City of New Haven.

8. Describe the *existing* structures, conditions and uses at the site of the proposed work. Provide photographs showing existing conditions as Attachment B:

The project bridge is a 15 span bridge carrying I-91. Additional information regarding the existing structure is presented in Attachment G. Photos of the existing structures are provided in Attachment B.

9. Provide the name of the waterbody at the site of proposed work: **Mill River**

10. Provide the elevation of the applicable regulatory limit for your project referenced to NAVD88. Refer to the [instructions](#) for more information.

☐ Tidal Wetlands Limit (TWL) = _____ ☒ Coastal Jurisdiction Limit (CJL) = 4.6 feet

11. How was the regulatory limit identified above determined? Please check one of the following:

☒ **DEEP-calculated elevation**

☐ **Self-calculated elevation** (If a self-calculated elevation is used, please provide the additional information and calculations per the instructions.)

☐ **Mean High Water elevation** (use only if project is upstream of a tide gate, dam or weir)
(If a MHW elevation is used, provide a discussion of the location of the tide gate, dam or weir.)

If other than a DEEP calculated elevation was used to calculate the CJL, please provide the additional information and calculations per the instructions and label and attach them as Attachment G.

Part IV: Site Information and Resource Information (continued)

12. Provide the elevations of the mean high water and mean low water at the site and the reference datum used. Refer to the instructions regarding elevation datum.

MHW = 3.8

MLW = -1.1

Datum = NGVD29

☒ Check here if NAVD88 is not referenced, and provide an orthometric conversion table in Attachment G.

13. Identify all aquatic resources on and adjacent to the site and describe the characteristics and condition of each resource (identify location of resources on plans submitted as Attachment A):

The Mill River is a tidal river (estuarine embayment) in the project area. Field investigation determined that no tidal wetlands are present at the project area. Banks of the Mill River are armored with rock in the project area.

14. Identify the locations of any osprey nesting platforms within 500 feet of the site.

No osprey platforms are within 500 feet of the site.

Part V: Project Information

1. Describe the proposed regulated work and activities including construction methodology and sequencing and plans to minimize erosion and sedimentation.

Proposed work minimizes erosion and sedimentation by avoiding soil disturbance. The majority of the project will be structure repairs of the existing bridge conducted on the bridge above the water. Repair of stone masonry on bridge piers will occur from a float to avoid soil and sediment disturbance. Work will include containment measures to make sure that debris from repair work can not fall into the Mill River. Additional information about construction methodology and sequencing is provided in Attachment G.

2. Provide plans of the project as Attachment A. They must be 8 1/2" x 11" scaled plans of the site and proposed work including:

- a. A Vicinity Map;
- b. A Tax Assessor's map showing the subject property and immediately adjacent properties;
- c. Plan Views showing existing and proposed conditions; and
- d. An Elevation or Cross-Section View showing existing and proposed conditions.

Please refer to instructions for identification of plan components.

3. Describe the purpose, need and use of the proposed work.

The project bridge has been identified by inspection as structurally deficient. The proposed repairs to the bridge are necessary to maintain the existing bridge in an acceptable condition.

4. Identify and evaluate the adverse environmental impacts associated with proposed work and mitigation measures to be employed.

The proposed project maintains an existing structure and no adverse environmental impacts are anticipated. The project will contain work to avoid any construction impacts to water quality.

Part V: Project Information (continued)

5. Check each category of eligible activities that applies to this application:

CGS section 22a-363b(a):

- ☒ 1. Substantial maintenance or repair of existing structures, fill, obstructions or encroachments authorized pursuant to the Structures, Dredging and Fill Statutes, CGS section 22a-361, and/or the Tidal Wetlands Act, CGS section 22a-32.
- ☐ 2. Substantial maintenance of any structures, fill, obstructions or encroachments in place prior to June 24, 1939, and continuously maintained and serviceable since such time.
- ☐ 3. Maintenance dredging of areas which have been dredged and continuously maintained and serviceable as authorized pursuant to the Structures, Dredging and Fill Statutes, CGS section 22a-361, and/or the Tidal Wetlands Act, CGS section 22a-32.
- ☐ 4. Activities allowed pursuant to a perimeter permit and requiring authorization by the Commissioner of Energy & Environmental Protection.
- ☐ 5. The removal of derelict structures or vessels.
- ☐ 6. Minor alterations or amendments to activities permitted pursuant to CGS section 22a-361 and/or CGS section 22a-32 consistent with the original permit.
- ☐ 7. Minor alterations or amendments to activities completed prior to June 24, 1939.
- ☐ 8. Placement of temporary structures for water-dependent uses as defined in CGS section 22a-93(16).
- ☐ 9. Open water marsh management, tidal wetland restoration, resource restoration or enhancement activity, as defined in subsection (a) of section 22a-361, as amended by this act, and conservation activities undertaken by or under the supervision of the Department of Energy & Environmental Protection.
- ☐ 10. Placement or reconfiguration of piers, floats, docks, and moorings within existing waterward boundaries of recreational marinas or yacht clubs which have been authorized pursuant to Section 22a-361 and/or CGS section 22a-32.
- ☐ 11. Substantial maintenance or repair of structures, fill, obstructions or encroachments placed landward of the mean high waterline and waterward of the coastal jurisdiction line, completed prior to October 1, 1987, and continuously maintained and serviceable since said date.

CGS section 22a-363b(b):

- ☐ 12. Retention of pre-1995 unauthorized activities which do not interfere with navigation or littoral or riparian rights, and do not cause adverse impacts to coastal resources.
 - ☐ 13. Substantial maintenance or repair of pre-1995 unauthorized activities which do not interfere with navigation or littoral or riparian rights, and do not cause adverse impacts to coastal resources.
 - ☐ 14. Minor alterations or amendments to pre-1995 unauthorized activities which do not interfere with navigation or littoral or riparian rights, and do not cause adverse impacts to coastal resources.
6. In question 5, if item numbers 2 and/or 7 were checked, demonstrate that the structure(s) or activity for which work is proposed has been continuously maintained and serviceable since 1939. Check the box if documents have been provided in Attachment G. ☐

Part V: Project Information (continued)

7. In question 5, if item numbers 1, 3, 4, 6 or 10 were checked, demonstrate that the structure(s) or activity has a prior authorization and has been continuously maintained and serviceable.

The project was constructed in 1965 and has been in continuous use as part of Interstate 91 since completion.

8. In question 5, if item numbers 11, 12, 13, or 14 were checked, please provide the date of installation of the structure(s) or the date the activity occurred and indicate how you made this determination.

9. In question 5, if item numbers 11, 12, 13, or 14 were checked, demonstrate that the structure(s) or activity for which retention or work is proposed complies with all applicable standards and criteria.

Check the box if documents have been provided in Attachment G. ☐

10. In question 5, if item numbers 11, 12, 13, or 14 were checked, demonstrate that the structure(s) or activity has been continuously maintained and serviceable since January 1995.

Check the box if documents have been provided in Attachment G. ☐

11. In question 5, if item numbers 12, 13, or 14 were checked, state whether the applicant conducted or was responsible for the unauthorized activity, or whether the applicant knew or had reason to know of the unauthorized activity at the time the property which is the site of the unauthorized activity was acquired.

Check the box if documents have been provided in Attachment G. ☐

Part V: Project Information (continued)

12. a. Is any portion of work for which authorization is being sought now complete or under construction?

☐ Yes ☒ No

If Yes, specify what parts of the proposed work have been completed or are under construction and indicate when such work was undertaken or completed. Identify completed portions on the plans submitted.

- b. If yes, is the application associated with an enforcement action pending with DEEP?

☐ Yes ☒ No If yes, explain:

☐ Check here, if documents have been provided in Attachment G. Also please complete *Applicant Compliance Information Form* (DEP-APP-002).

13. Provide other relevant information you deem important to consider in the review of this application. Check the box if documents have been provided in Attachment G: ☒

Part VI: Supporting Documents

Check the applicable box below for each attachment being submitted with this application form. The specific information required in each attachment is described in the *Instructions for Completing a Certificate of Permission Application for the Office of Long Island Sound Programs* (DEP-OLISP-INST-200).

- ☒ Attachment A: Plans in accordance with Part V, item 2 of the instructions
- ☒ Attachment B: Photographs showing existing conditions of the site
- ☒ Attachment C: Abutting or adjacent property owner information; including names and mailing addresses
- ☒ Attachment D: Copy of the completed *Request for NDDB State Listed Species Review Form* (DEP-APP-007) and the NDDB response, if applicable.
- ☒ Attachment E: [Applicant Background Information Form](#) (DEP-APP-008) (if applicable)
- ☒ Attachment F: [Applicant Compliance Information Form](#) (DEP-APP-002)
- ☒ Attachment G: Other Information (if applicable)

Part VI: Application Certification

The applicant(s) and the individual(s) responsible for actually preparing the application must sign this part. An application will be considered insufficient unless *all* required signatures are provided.

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief.

I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.

I certify that this application is on complete and accurate forms as prescribed by the commissioner without alteration of the text."


Signature of Applicant

6-17-2015
Date

Thomas J. Maziarz
Name of Applicant (print or type)

Bureau Chief Policy & Planning
Title (if applicable)


Signature of Preparer (if different than above)

6/15/15
Date

Richard Canavan
Name of Preparer (print or type)

Sr. Environmental Scientist
Title (if applicable)

☐ Check here if additional signatures are required. If so, please reproduce this sheet and attach signed copies to this sheet. You must include signatures of any person preparing any report or parts thereof required in this application (i.e., professional engineers, surveyors, soil scientists, consultants, etc.)

Note: Please submit the completed Application Form, Fee, and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

If your town has a Harbor Management Commission, you must submit a copy of this completed application by *certified mail* to the Commission and include a copy of the receipt with your application materials indicating that such documents were sent certified.

Submit one complete application copy to the U.S. Army Corps of Engineers, Regulatory Division, 696 Virginia Road, Concord, MA, 01742

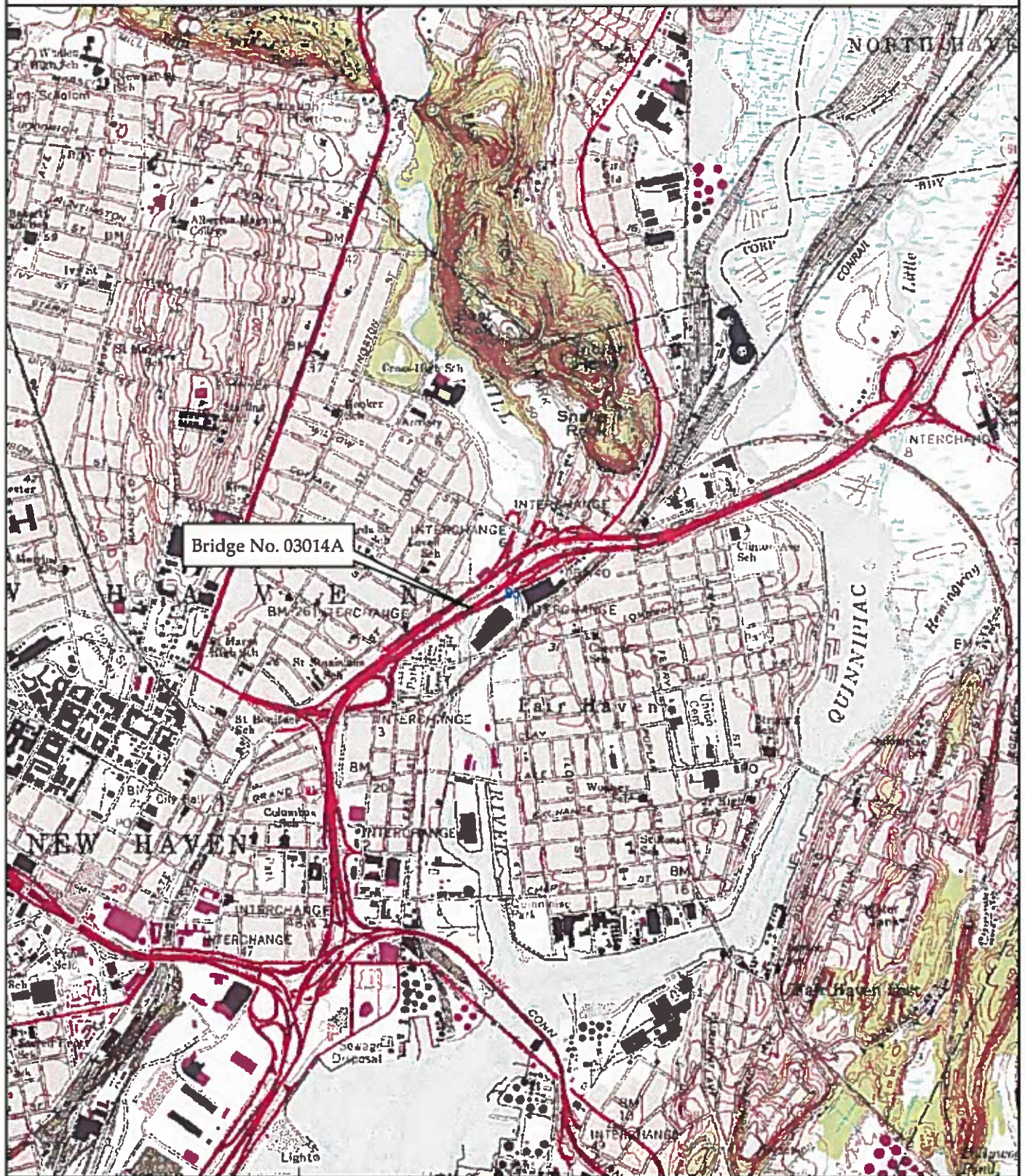


CME ASSOCIATES, INC.

83 Crabtree Lane, Westford, CT 06201
113 East River Drive, East Hartford, CT 06108
40 Elm Street, Southbridge, MA 01550
1.888.291.3227 • www.cmeengineering.com

VICINITY MAP

BRIDGE NO. 03014A IN NEW HAVEN, CT
INTERSTATE 91 NB OVER MILL RIVER



USGS QUAD
MAP #95
NEW HAVEN

1 INCH = 2,000 FEET

0 1,000 2,000 4,000 6,000 Feet

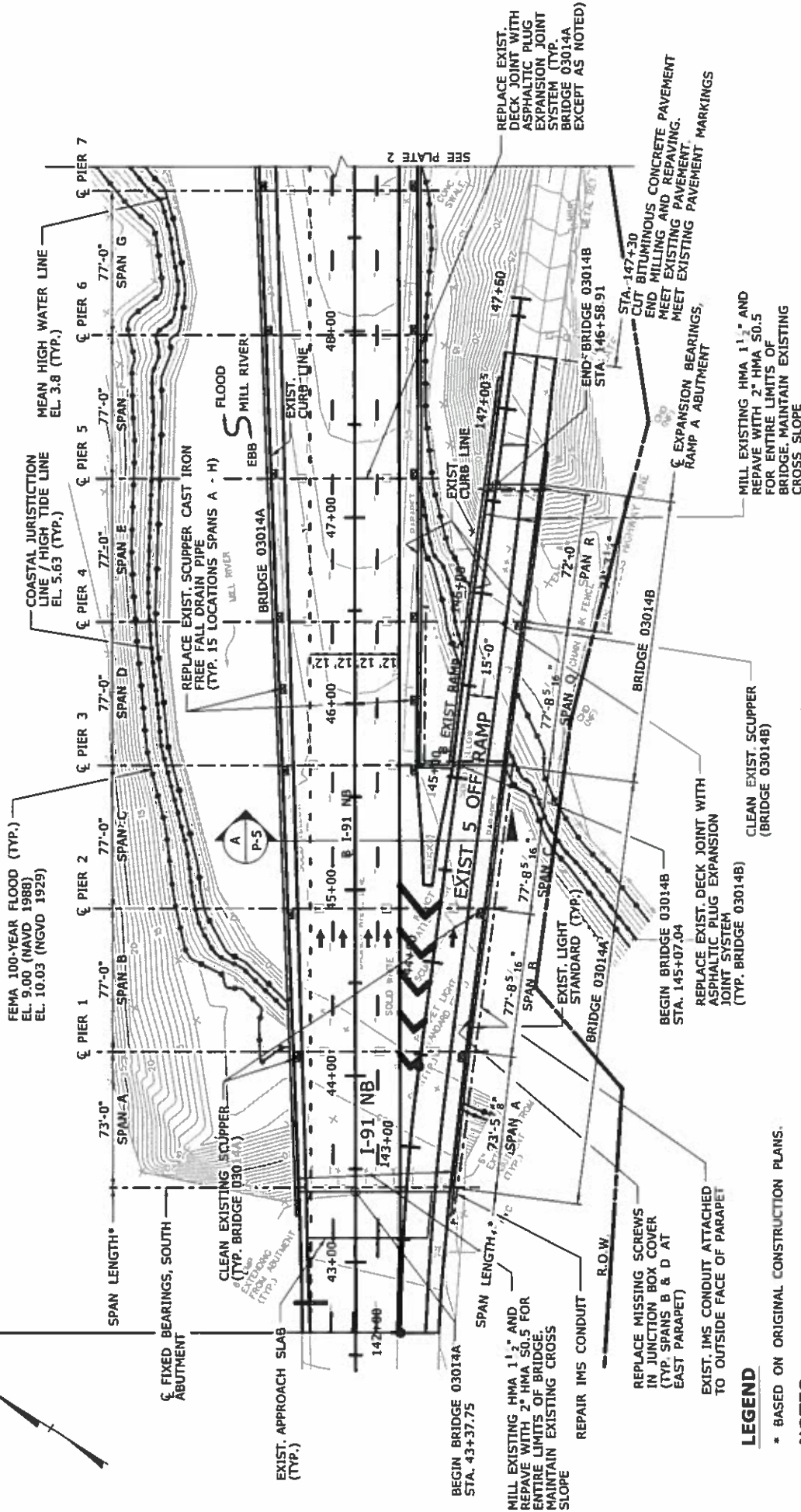
Base map obtained from
www.cteco.uconn.edu
Bridge location and all parcel
boundaries are approximate
Property information in Attachment C

Base map obtained from
www.cteco.uconn.edu
Bridge location and all parcel
boundaries are approximate
Property information in Attachment C

BEGIN STATE PROJECT NO. 92-669

STA. 42+62
N = 175592.08
E = 556609.07
BEGIN MILLING AND REPAVING.
MEET EXISTING PAVEMENT MARKINGS

FEMA 100-YEAR FLOOD (TYP.)
EL. 9.00 (NAVD 1988)
EL. 10.03 (NGVD 1929)



GENERAL PLAN

SCALE: 1" = 80'

LEGEND

* BASED ON ORIGINAL CONSTRUCTION PLANS.

NOTES

1. ALL ELEVATIONS ARE BASED ON NGVD 1929.
2. MEAN LOW WATER EL. -1.1.

DATE: 04/01/2015



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



STATE PROJECT NO.: 92-669

COUNTY: NEW HAVEN

CITY/TOWN: NEW HAVEN

Anand Seshadi
2015.06.15
12:58:54-04'00"



SITE: NEW HAVEN
PLATE 1 OF 6
ATTACHMENT

SCALE

STA. 55+09
N = 176263.99
E = 557659.57
END MILLING AND
MEET EXISTING
MEET EXISTING



* BASED ON ORIGINAL CONSTRUCTION PLANS.

NOTES

1. ALL ELEVATIONS ARE BASED ON NGVD 1929.
2. MEAN LOW WATER EL -1.1.

GENERAL PLAN
SCALE: 1" = 80'

STATE PROJECT NO.: 92-669

COUNTY: NEW HAVEN

CITY/TOWN: NEW HAVEN

APPLICATION BY:



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



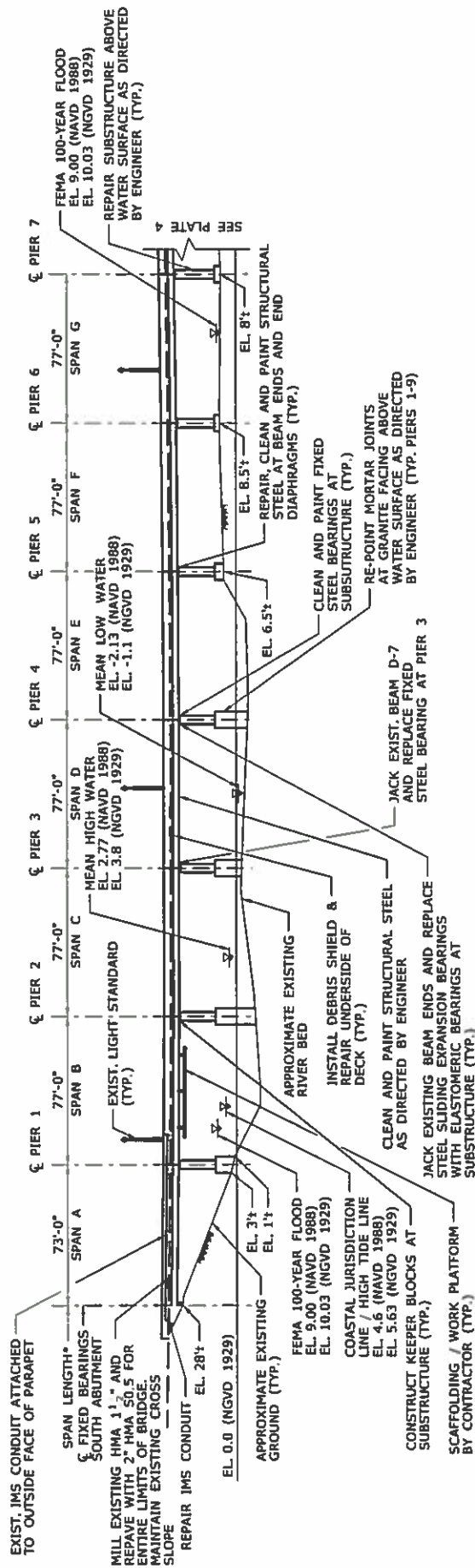
Dewberry
59 Elm Street,
Suite 101
New Haven, CT
06510

SCALE

DATE: 04/01/2015

SITE: NEW HAVEN

PLATE 2 OF 6
ATTACHMENT



SOUTH ELEVATION - BRIDGE 03014A

SCALE: 1" = 80'

LEGEND

* BASED ON ORIGINAL CONSTRUCTION PLANS.

NOTES

1. ALL ELEVATIONS ARE BASED ON NGVD 1929.
2. MEAN LOW WATER EL. -1.1.
3. THE DEBRIS SHIELD AND SCAFFOLDING / WORK PLATFORM SHALL BE INSTALLED ABOVE THE 100-YEAR FEMA FLOOD ELEVATION.

STATE PROJECT NO.: 92-669

COUNTY: NEW HAVEN

CITY/TOWN: NEW HAVEN

APPLICATION BY:



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Dewberry
59 Elm Street,
Suite 101
New Haven, CT
06510

SCALE

DATE: 04/01/2015

SITE: NEW HAVEN

PLATE 3 OF 6

ATTACHMENT

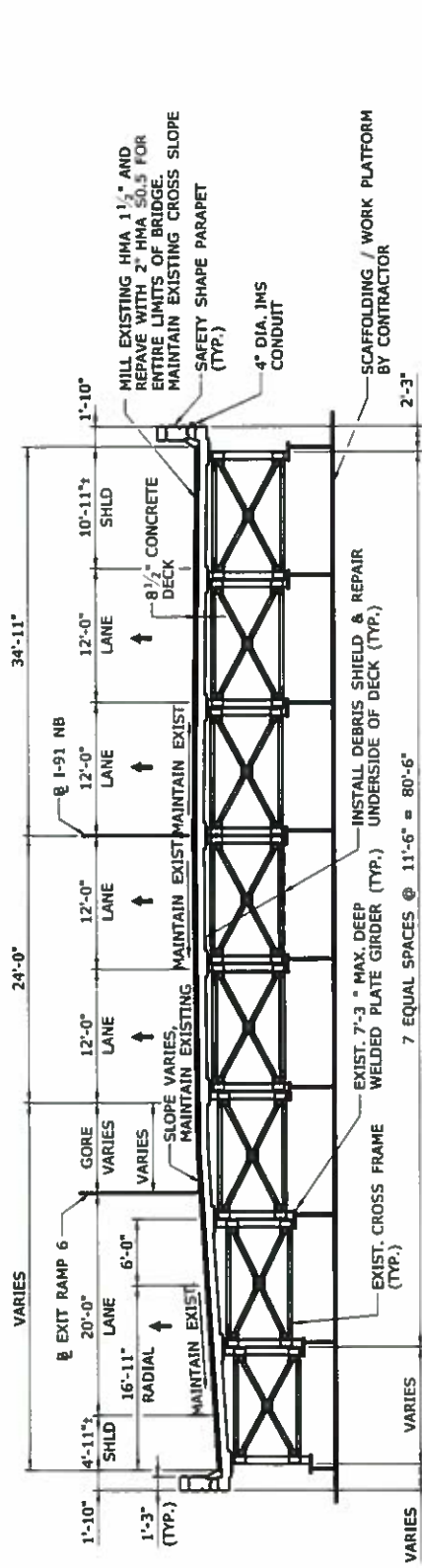


SCALE: 1" = 80'

NOTES

1. ALL ELEVATIONS ARE BASED ON NGVD 1929.
2. MEAN LOW WATER EL. -1.1.
3. THE DEBRIS SHIELD AND SCAFFOLDING / WORK PLATFORM SHALL BE INSTALLED ABOVE THE 100-YEAR FEMA FLOOD ELEVATION.

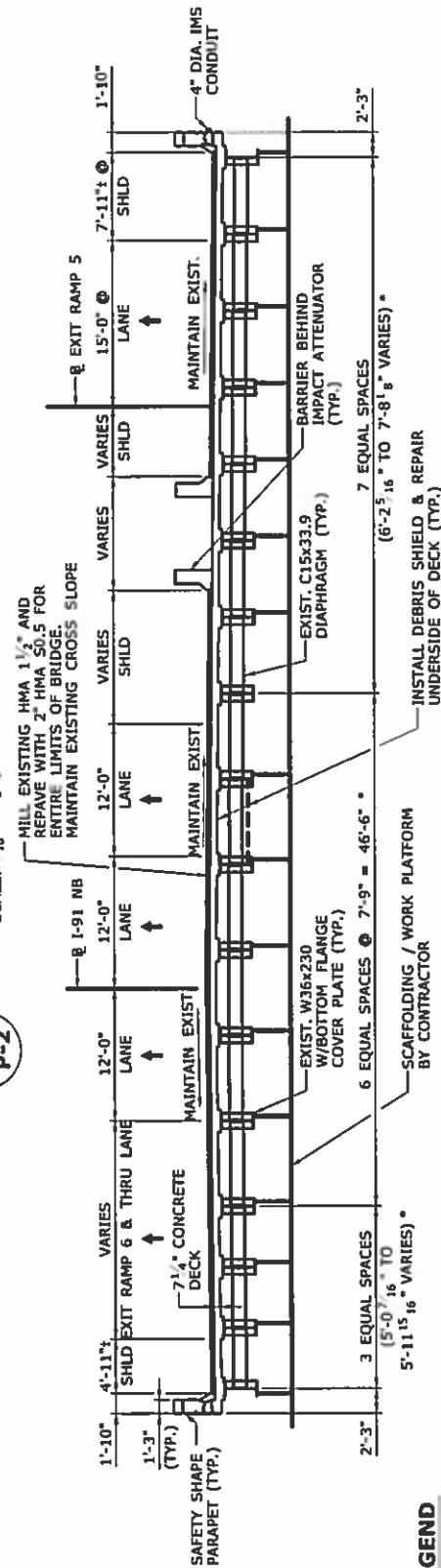
STATE PROJECT NO.: 92-669	APPLICATION BY:	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	 Dewberry 59 Elm Street, Suite 101 New Haven, CT 06510	DATE: 04/01/2015
COUNTY: NEW HAVEN				SITE: NEW HAVEN
CITY/TOWN: NEW HAVEN				PLATE 4 OF 6
			SCALE	ATTACHMENT



B CROSS SECTION - SPAN J

SCALE: 1/16" = 1'-0"

P-2



A CROSS SECTION - SPAN C

SCALE: 1/16" = 1'-0"

P-1

LEGEND

- ⊙ MEASURED PERPENDICULAR TO CURB LINE.
- BASED ON ORIGINAL CONSTRUCTION PLANS.

NOTE

THE DEBRIS SHIELD AND SCAFFOLDING / WORK PLATFORM SHALL BE INSTALLED ABOVE THE 100-YEAR FEMA FLOOD ELEVATION

STATE PROJECT NO.: 92-669

COUNTY: NEW HAVEN

CITY/TOWN: NEW HAVEN

APPLICATION BY:



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



Dewberry
59 Elm Street,
Suite 101
New Haven, CT
06510

SCALE

DATE: 04/01/2015

SITE: NEW HAVEN

PLATE 5 OF 6

ATTACHMENT

CLEAN & PAINT FIXED BEARING ASSEMBLY

LIMITS OF CLEANING & PAINTING
BEAM ENDS & END DIAPHRAGMS
(TYP. EACH END)

INSTALL CONTAINMENT PRIOR TO
CLEANING & PAINTING OPERATIONS
(TYP. EACH END). SEE NOTE 1

EXIST. BEAM (TYP.) (SIZE VARIES)

4'-0"
(TYP.)
C. FIXED
BEARINGS

6"
C. JACK

6"
C. JACK

PERFORM STEEL REPAIRS AT BEAM
ENDS & DIAPHRAGMS (TYP.)

PROPOSED JACKING STIFFENER
TO BE INSTALLED PRIOR TO
JACKING BEAMS

JACK EXISTING BEAM AND REPLACE
EXISTING STEEL EXPANSION
BEARING ASSEMBLY WITH
ELASTOMERIC BEARING

REPAIR CONCRETE SUBSTRUCTURE
ABOVE WATER SURFACE AS
DIRECTED BY ENGINEER

SCAFFOLDING / WORK PLATFORM
BY CONTRACTOR

CAP
HEIGHT
VARIES

FEMA 100-YEAR FLOOD
EL. 9.00 (NAVD 1988)
EL. 10.03 (NGVD 1929)

COASTAL JURISDICTION
LINE / HIGH TIDE LINE
EL. 4.6 (NAVD 1988)
EL. 5.63 (NGVD 1929)

MEAN HIGH WATER
EL. 2.77 (NAVD 1988)
EL. 3.8 (NGVD 1929)

MEAN LOW WATER
EL. -2.13 (NAVD 1988)
EL. -1.1 (NGVD 1929)

WORK PLATFORM FOR BEARING
REPLACEMENT AND CONCRETE
SUBSTRUCTURE REPAIRS.
WORK PLATFORM & RAILING
TO BE OSHA COMPLIANT &
DESIGNED BY CONTRACTOR
(TYP.)

REPOINT MORTAR JOINTS AT
GRANITE FACING ABOVE
WATER SURFACE AS
DIRECTED BY ENGINEER.
(TYP. PIERS 1-9) SEE
SUGGESTED SEQUENCE

SUGGESTED SEQUENCE FOR REPOINTING MORTAR JOINTS

1. ACCESS PIER FROM A BARGE.
2. PROVIDE DEBRIS SHIELD AROUND PIER TO PREVENT
DEBRIS FROM ENTERING THE WATERWAY.
3. CLEAN JOINTS OF LOOSE MORTAR AND FOREIGN MATERIAL.
4. INSTALL STEEL SHIM IF NECESSARY TO MAINTAIN
JOINT OPENING.
5. APPLY EPOXY MORTAR IN JOINT AND REPOINT WITH EPOXY
CAULKING MATERIAL.

PIER CROSS SECTION OVER WATER

SCALE: $\frac{3}{16}'' = 1'-0''$
(BEAM 7 AT PIER 6 SHOWN. OTHER BEAMS AND PIERS SIMILAR.)

NOTE

1. PAINT AND DEBRIS COLLECTED FROM PAINT REMOVAL
SHALL BE STORED ABOVE THE FEMA 100-YEAR FLOOD ELEVATION.
2. THE DEBRIS SHIELD AND SCAFFOLDING / WORK PLATFORM
TO PERFORM UNDERSIDE OF DECK REPAIRS SHALL BE
INSTALLED ABOVE THE FEMA 100-YEAR FLOOD ELEVATION.

STATE PROJECT NO.: 92-669

COUNTY: NEW HAVEN

CITY/TOWN: NEW HAVEN

APPLICATION BY:



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



Dewberry
59 Elm Street,
Suite 101
New Haven, CT
06510

SCALE

ATTACHMENT

DATE: 04/01/2015

SITE: NEW HAVEN

PLATE 6 OF 6

Attachment B: Project Photos



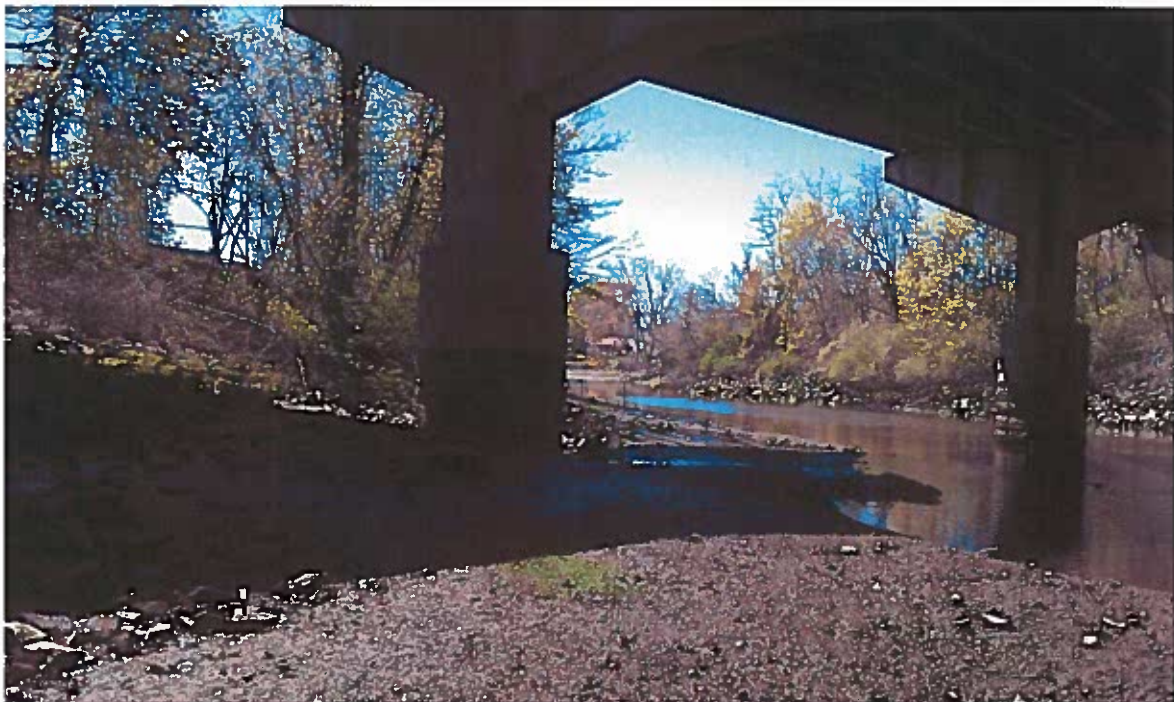
Mill River under Bridge No. 03014A, looking approximately southwest (downstream). The Exit 5 ramp (Bridge No. 03014B) is visible at the left edge of the photo. The high tide elevation is apparent as a stain on the piers.



Mill River under Bridge No. 03014A, looking approximately northeast (upstream). The construction in the background of the photo is the replacement of the State Street bridge.



Below the project bridge showing the construction of the State Street bridge.



Looking approximately southward, downstream on the Mill River underneath the project bridge. Photo taken near low tide, showing shallow water depth in much of the channel.

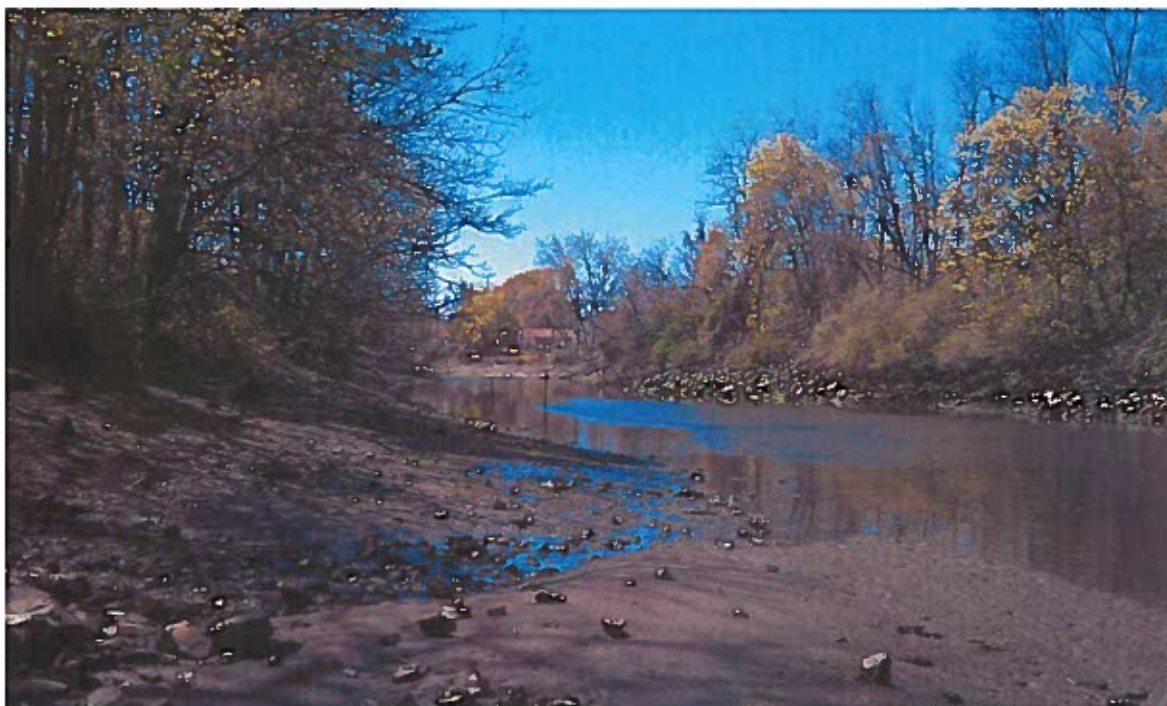
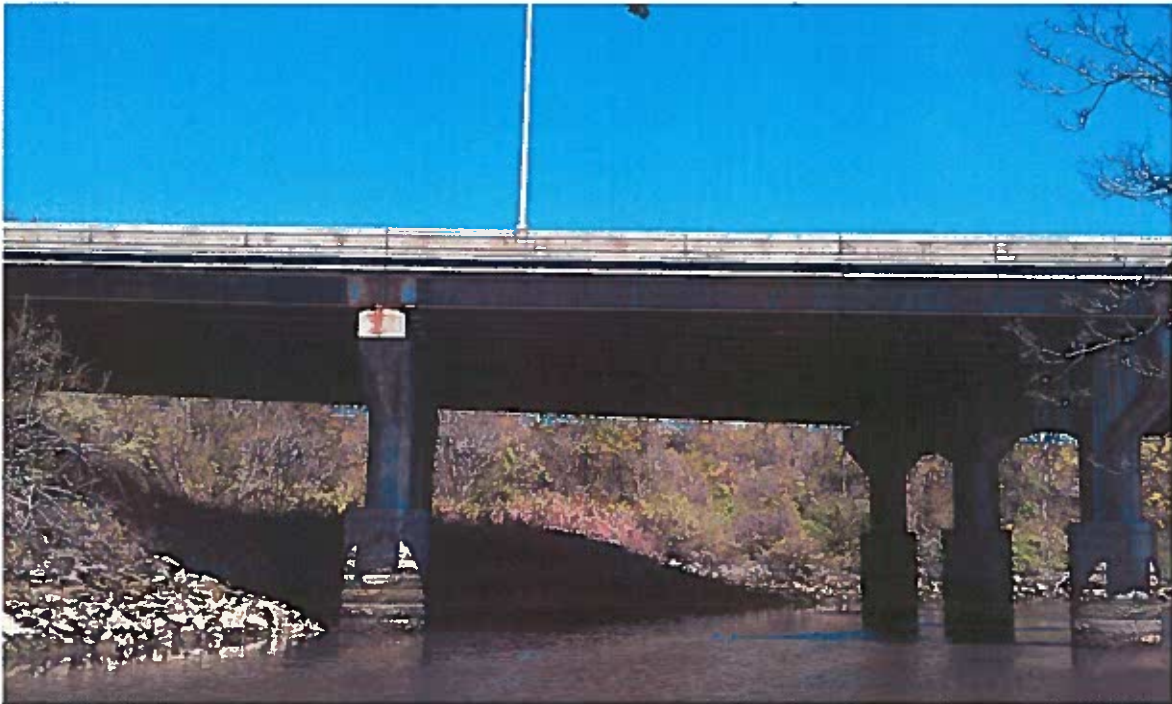


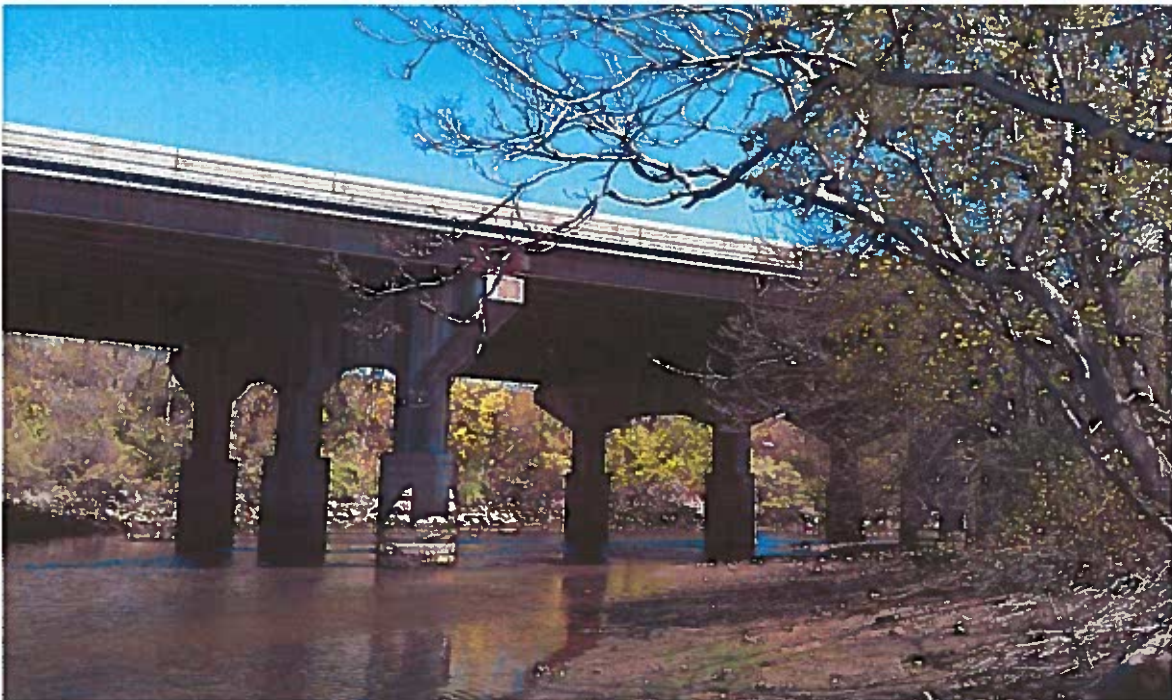
Photo taken downstream of the project bridge looking downstream on the Mill River. The Mill River is narrower downstream of the project bridge and appears to be shallow.



Looking approximately northeast between Bridge No. 03104A (left) and the exit 5 ramp Bridge No. 03104B (right)



Looking approximately northward upstream of Mill River at Bridge No. 03014A. This is the southern end of the bridge over the Mill River.



Looking approximately northward upstream of Mill River at Bridge No. 03014A. This is the northern end of the bridge over the Mill River.



Photo taken from project bridge looking downstream on the Mill River. The Mill River is near high tide in the photo. The Humphrey Street Bridge is visible in the background of the photo.

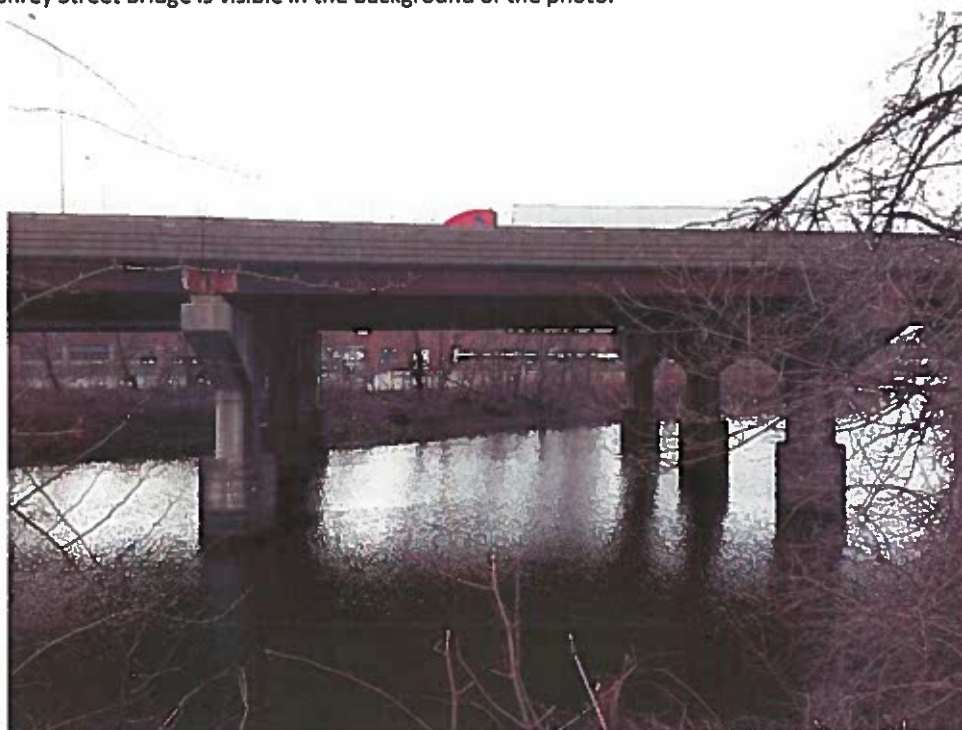


Photo looking approximately southward at Bridge No. 03014A and Mill River. This photo depicts the Mill River near high tide.

Attachment C**Project Abutters**

Abutter information for parcels abutting the anticipated work zone for the rehabilitation of Bridge No. 03104A. Parcel ID information obtained from Vision Appraisal and parcel mapping for the project area obtained from cteco.uconn.edu

Parcel ID	Address	Owner	Owner Address
198/0420/01600	1070 State St	Seymour Cohen Partnership	The Star Supply Co. 118 Gando Drive New Haven, CT 06513
198/0420/01700	1060 State St	Seymour Cohen Partnership	The Star Supply Co. 118 Gando Drive New Haven, CT 06513
171/0805/00900	1175 State St	State Assets LLC	1175 State Street New Haven, CT 06513
182/0420/00800	77 Willow St	City of New Haven	165 Church Street New Haven, CT 06513
181/0603/01100	470 James St	CT Dept. of Transportation	2800 Berlin Turnpike, Newington, CT 06131
182/0804/01300	1041 State St	Smallman, Bryan	1041 State Street New Haven, CT 06513
182/0804/01400	1041 State St	Smallman, Bryan	1041 State Street New Haven, CT 06513
182/0804/01500	123-129 Mill River St	City of New Haven	165 Church Street New Haven, CT 06513
181/0603/00100	83 Mill River St	Cuvi, Franklin	83 Mill River Street New Haven, CT 06513
181/0603/00200	81 Mill River St	New Haven Redevelopment, LLC	81 Mill River Street New Haven, CT 06513
198/0605/01600	124 Mill River St	Krygier Realty Associates LLC	36 Livingston Drive North Haven, CT 06473
181/0602/02200	72 Mill River St	72 Mill River LLC	72 Mill River Street New Haven, CT 06513
194/0443/00200	Orange St	CT Dept. of Transportation	2800 Berlin Turnpike, Newington, CT 06131

Attachment D

NDDB Determination 201501929 and information request



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

March 20, 2015

Christopher Samorajczyk
State Of Connecticut Department Of Transportation
2800 Berlin Tpke.
Newington, CT 06131
christopher.samorajczyk@ct.gov

Project: CTDOT State Project 92-668 Bridge No. 03014A I-91 North Bound over The Mill River and State Street in New Haven
NDDB Determination No.: 201501929

Dear Christopher Samorajczyk,

I have reviewed Natural Diversity Data Base (NDDB) maps and files regarding the area delineated on the map provided for the proposed CTDOT State Project 92-668 Bridge No. 03014A I-91 North Bound over The Mill River and State Street in New Haven, Connecticut. I do not anticipate negative impacts to State-listed species (RCSA Sec. 26-306) resulting from your proposed activity at the site based upon the information contained within the NDDB. The result of this review does not preclude the possibility that listed species may be encountered on site and that additional action may be necessary to remain in compliance with certain state permits. This determination is good for one year. Please re-submit an NDDB Request for Review if the scope of work changes or if work has not begun on this project by March 20, 2016.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available.

Please contact me if you have further questions at (860) 424-3592, or dawn.mckay@ct.gov. Thank you for consulting the Natural Diversity Data Base.

Sincerely,

Dawn M. McKay
Environmental Analyst 3



Connecticut Department of
Energy & Environmental Protection
Bureau of Natural Resources
Wildlife Division

CPPU USE ONLY

App #: _____

Doc #: _____

Check #: No fee required

Program: Natural Diversity Database
Endangered Species

Hardcopy _____ Electronic _____

Request for Natural Diversity Data Base (NDDDB) State Listed Species Review

Please complete this form in accordance with the instructions (DEEP-INST-007) to ensure proper handling of your request.

There are no fees associated with NDDDB Reviews.

Part I: Preliminary Screening & Request Type

Before submitting this request, you must review the most current Natural Diversity Data Base "State and Federal Listed Species and Significant Natural Communities Maps" found on the DEEP website. These maps are updated twice a year, usually in June and December.

Does your site, including all affected areas, fall in an NDDDB Area according to the map instructions:

☒ Yes ☐ No Enter the date of the map reviewed for pre-screening: Dec, 2014

This form is being submitted for a :

☒ New NDDDB request

☐ Renewal/Extension of a NDDDB Request, *without modifications and within one year of issued NDDDB determination* (no attachments required)

[CPPU Use Only - NDDDB-Listed Species Determination # 1736]

☐ New Safe Harbor Determination (optional) must be associated with an application for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

☐ Renewal/Extension of an existing Safe Harbor Determination

☐ With modifications

☐ Without modifications (no attachments required)

[CPPU Use Only - NDDDB-Safe Harbor Determination # 1736]

Enter NDDDB Determination Number for Renewal/Extension:

Enter Safe Harbor Determination Number for Renewal/Extension:

Part III: Site Information

This request can only be completed for one site. A separate request must be filed for each additional site.

1. SITE NAME AND LOCATION

Site Name or Project Name: **Bridge No. 03014A I-91 NB over Mill River, State Street**

Town(s): **New Haven**

Street Address or Location Description:
over State Street between East St. and James St.

Size in acres, or site dimensions: **bridge dimensions: 1,076 ft by 67.5 ft**

Latitude and longitude of the center of the site in decimal degrees (e.g., 41.23456 -71.68574):

Latitude: **41.31513**

Longitude: **-72.90806**

Method of coordinate determination (check one):

☐ GPS ☒ Photo interpolation using CTECO map viewer ☐ Other (specify):

2a. Describe the current land use and land cover of the site.

The current land use is a bridge carrying I-91 over the Mill River. The Mill River is contained within rock armoured banks under the bridge. Industrial, commercial and residential land use is present in the vicinity of the bridge.

b. Check all that apply and enter the size in acres or % of area in the space after each checked category.

<input type="checkbox"/> Industrial/Commercial _____	<input type="checkbox"/> Residential _____	<input type="checkbox"/> Forest _____
<input checked="" type="checkbox"/> Wetland _____	<input type="checkbox"/> Field/grassland _____	<input type="checkbox"/> Agricultural _____
<input checked="" type="checkbox"/> Water <u>Mill River</u>	<input type="checkbox"/> Utility Right-of-way _____	
<input checked="" type="checkbox"/> Transportation Right-of-way <u>100%</u>	<input type="checkbox"/> Other (specify): _____	

Part IV: Project Information

1. PROJECT TYPE:

Choose Project Type: Bridge work , If other describe: _____

2. Is the subject activity limited to the maintenance, repair, or improvement of an existing structure within the existing footprint? ☒ Yes ☐ No If yes, explain.

The project includes maintenance and repair to the existing structure. The project does not propose to expand the existing bridge. Masonry repair work on piers will occur from a float. Not work will occur in or below the water. No grading or excavation is required.

4. If this is a renewal or extension of an existing Safe Harbor request *with* modifications, explain what about the project has changed.

5. Provide a contact for questions about the project details if different from Part II primary contact.

Name: **Andrew Cardinali**

Phone: **860-594-3315**

E-mail: **andrew.cardinali@ct.gov**

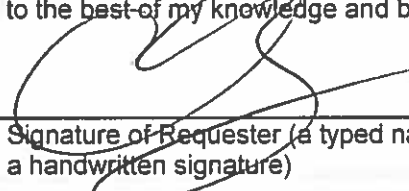
Part VI: Supporting Documents

Check each attachment submitted as verification that *all* applicable attachments have been supplied with this request form. Label each attachment as indicated in this part (e.g., Attachment A, etc.) and be sure to include the requester's name, site name and the date. **Please note that Attachments A and B are required for all new requests and Safe Harbor renewals/extensions with modifications.** Renewals/Extensions with no modifications do not need to submit any attachments. Attachments C and D are supplied at the end of this form.

<input checked="" type="checkbox"/> Attachment A:	Overview Map: an 8 1/2" X 11" print/copy of the relevant portion of a USGS Topographic Quadrangle Map clearly indicating the exact location of the site.
<input checked="" type="checkbox"/> Attachment B:	Detailed Site Map: fine scaled map showing site boundary and area of work details on aerial imagery with relevant landmarks labeled. (Site and work boundaries in GIS [ESRI ArcView shapefile, in NAD83, State Plane, feet] format can be substituted for detailed maps, see instruction document)
<input checked="" type="checkbox"/> Attachment C:	Supplemental Information, Group 2 requirement (attached, DEEP-APP-007C) <input checked="" type="checkbox"/> Section i: Supplemental Site Information and supporting documents <input type="checkbox"/> Section ii: Supplemental Project Information and supporting documents
<input type="checkbox"/> Attachment D:	Safe Harbor Report Requirements, Group 3 (attached, DEEP-APP-007D)

Part VII: Requester Certification

The requester *and* the individual(s) responsible for actually preparing the request must sign this part. A request will be considered incomplete unless all required signatures are provided.

<p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief."</p>	
 Signature of Requester (a typed name will substitute for a handwritten signature)	1-16-15 Date
Chris Samorajczyk Name of Requester (print or type)	 Title (if applicable)
 Signature of Preparer (if different than above)	 Date
 Name of Preparer (print or type)	 Title (if applicable)

Note: Please submit the completed Request Form and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

Or email request to: deep.nddbrequest@ct.gov

Attachment D: Safe Harbor Report Requirements

Submit a report, as Attachment D, that synthesizes and analyzes the information listed below. Those providing synthesis and analysis need appropriate qualifications and experience. A request for a safe harbor determination shall include:

1. Habitat Description and Map(s), including GIS mapping overlays, of a scale appropriate for the site, identifying:

- wetlands, including wetland cover types;
- plant community types;
- topography;
- soils;
- bedrock geology;
- floodplains, if any;
- land use history; and
- water quality classifications/criteria.

2. Photographs - The report should include photographs of the site taken from the ground and also all reasonably available aerial or satellite photographs and an analysis of such photographs.

3. Inspection - A visual inspection(s) of the site should be conducted, preferably when the ground is visible, and described in the report. This inspection can be helpful in confirming or further evaluating the items noted above.

4. Biological Surveys - The report should include all biological surveys of the site where construction activity will take place that are reasonably available to a registrant. A registrant shall notify the Department's Wildlife Division of biological studies of the site where construction activity will take place that a registrant is aware of but are not reasonably available to the registrant.

5. Based on items #1 through 4 above, the report shall include a Natural Resources Inventory of the site of the construction activity. This inventory should also include a review of reasonably available scientific literature and any recommendations for minimizing adverse impacts from the proposed construction activity on listed species or their associated habitat.

6. In addition, to the extent the following is available at the time a safe harbor determination is requested, a request for a safe harbor determination shall include and assess:

- Information on Site Disturbance Estimates/Site Alteration information
- Vehicular Use
- Construction Activity Phasing Schedules, if any; and
- Alteration of Drainage Patterns

PROJECT DESCRIPTION

State P.E. Project Number: 170-3169

State Construction Project Number: TBD

Town/City: New Haven

Bridge Number: 03014A

Interstate 91 Northbound over Mill River, State Street, and I-91 Ramp 140

Project Background

Bridge No. 03014A is currently in the preliminary engineering phase under the Connecticut Department of Transportation (ConnDOT) State Bridge Program for structures requiring major rehabilitation or replacement.

Project Location

Bridge No. 03014A carries Interstate 91 Northbound over the Mill River, State Street, and the I-91 Ramp 140.

Latitude: 41.31513 Longitude: -72.90806

Note: determined using cteco.uconn.edu

Existing Conditions

Bridge No. 03014A, built in 1965, is a fifteen-span structure that carries Interstate 91 Northbound between Exits 5 and 6. Interstate 91 at this location is classified as an Urban Principal Arterial-Interstate and as a Defense Highway that is part of the Strategic Highway Network and the NHS.

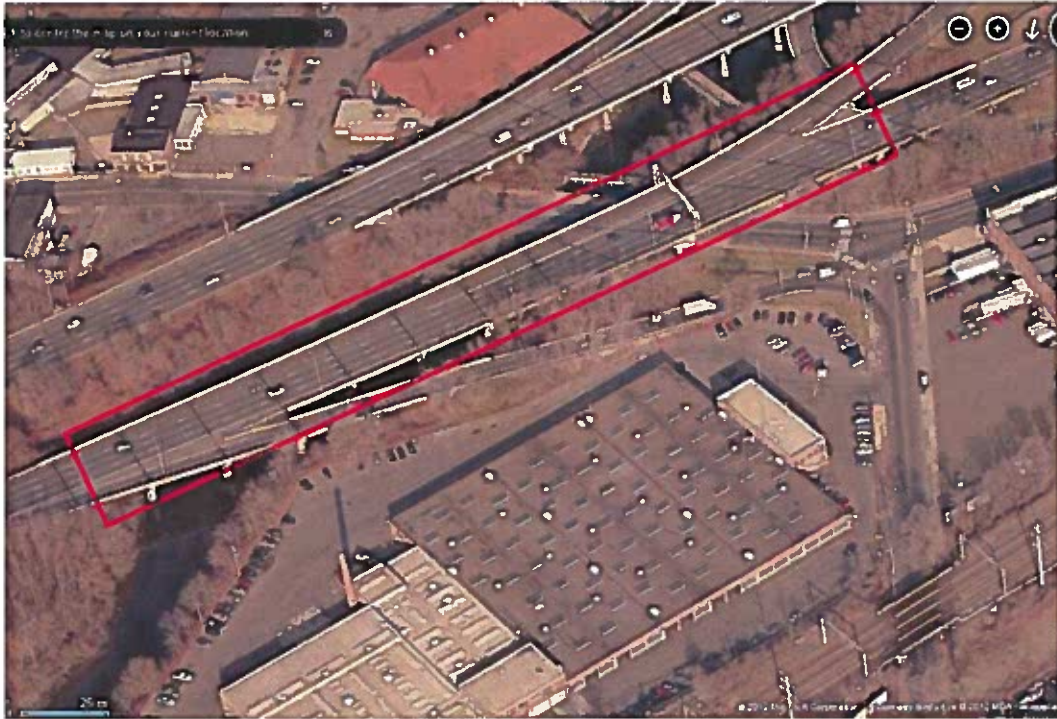
The bridge consists of reinforced concrete abutments and piers on piles, which support the steel superstructure and reinforced concrete deck. The total length is 1,076 feet with a maximum span length of 118 feet. Interstate 91 Northbound has four lanes plus off ramp lanes for Exits 5 and 6, Bridge Nos. 03014B and 03014C, respectively. The out-to-out deck width is 67.5 feet and curb-to-curb width is 63.8 feet.

A ConnDOT inspection report dated 09/03/2012 rated the overall structure as poor. There are areas of section loss to steel girders at the bottom of girder webs, bottom flanges, and bearing stiffeners. Girder ends at two of the piers exhibit web buckling. The substructure is also rated poor due to noted spalling, section loss and exposed rebar. Due to these deficiencies, alternatives for rehabilitation are being considered.

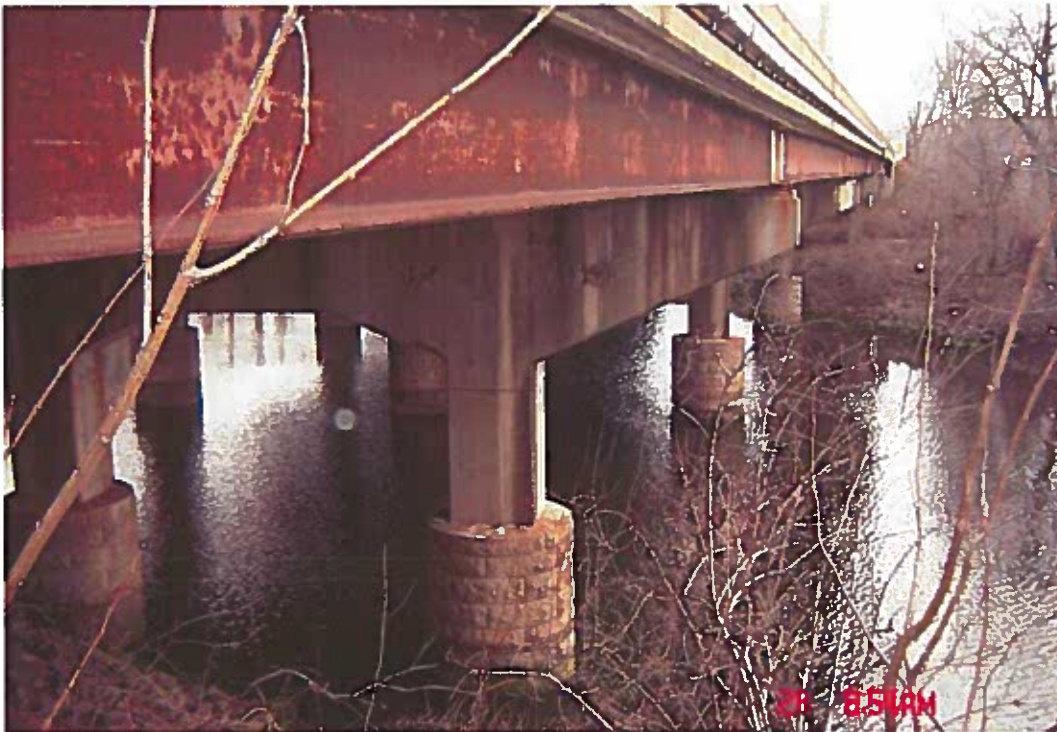
Proposed Project

The initial investigation and Rehabilitation Study Report (RSR) is in progress. Three alternatives will be presented in the RSR. At this time, structural steel and substructure repairs including cleaning and painting of structural steel and bearings, scupper cleaning, repair or replacement of pipes and conduits, fire suppression standpipe installation, and scour hole mitigation are recommended.

PHOTOGRAPHS



Bird's eye view of Bridge No. 03014A over Mill River, State Street and I-91 Ramp 140



Facing north at eastside fascia and piers

PHOTOGRAPHS



Facing north at pier 1



Northeast at underside of Ramp C

PHOTOGRAPHS



West bank of Mill River



Drainage from northeast side of Ramp B to river



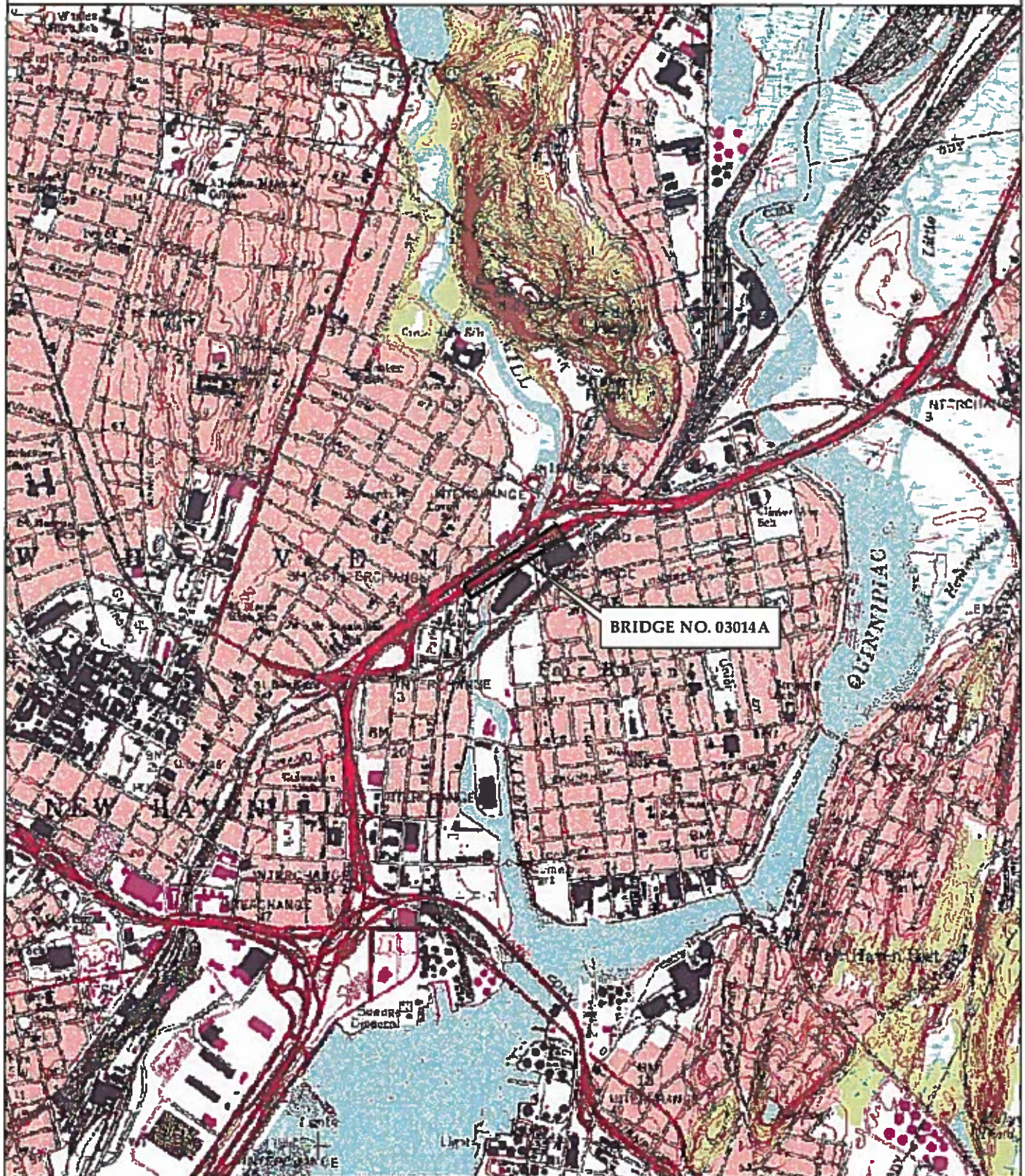
CME ASSOCIATES, INC.

33 Crabtree Lane, Woodstock, CT 06281
333 East River Drive, East Hartford, CT 06108
30 Elm Street, Southbridge, MA 01550

1.888.291.3227 • www.cmeengineering.com

ATTACHMENT A: OVERVIEW MAP

BRIDGE NO. 03014A IN NEW HAVEN, CT
INTERSTATE 91 NB OVER MILL RIVER



USGS QUAD
MAP # 95
NEW HAVEN

NDDB REVIEW REQUEST
REQUESTER: CONNDOT
DATE: 5/28/13

1 INCH = 2,000 FEET

0 1,000 2,000 4,000 6,000 Feet



CME ASSOCIATES, INC.

32 Crabtree Lane, Woodstock, CT 06291
333 East River Drive, East Hartford, CT 06108
50 Elm Street, Southbridge, MA 01550
1-888-291-3227 • www.cmeengineering.com

ATTACHMENT B: DETAILED SITE MAP

BRIDGE NO. 03014A IN NEW HAVEN, CT
INTERSTATE 91 NB OVER MILL RIVER



BRIDGE NO. 03014A



NDDb REVIEW REQUEST
REQUESTER: CONNDOT
DATE: 5/28/13

1 INCH = 500 FEET



Attachment E

Applicant Background Information Form



**Connecticut Department of
Energy & Environmental Protection**

Applicant Background Information

Check the box by the entity which best describes the applicant and complete the requested information.
You must choose one of the following: corporation, limited liability company, limited partnership, general partnership, voluntary association and individual or business type.

☐

Corporation

☐

Check the box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. Parent Corporation

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

2. Subsidiary Corporation:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

3. Directors:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

4. Officers:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Applicant Background Information (continued)

☐ **Limited Liability Company**

☐ Check the box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. List each member.

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

2. List any manager(s) who, through the articles of organization, are vested the management of the business, property and affairs of the limited liability company.

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Applicant Background Information (continued)

☐ **Limited Partnership**

☐ Check the box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. General Partners:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

2. Limited Partners:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Applicant Background Information (continued)

☐ **General Partnership**

☐ Check the box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. General Partners:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Applicant Background Information (continued)

☐ **Voluntary Association**

☐ Check box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. List authorized persons of association or list all members of association.

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

☒ **Individual or Other Business Type**

☐ Check the box, if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. Name: **Connecticut Department of Transportation**

Mailing Address: 2800 Berlin Turnpike

City/Town: Newington

State: CT

Zip Code: 06131-7564

Business Phone: 860 594-2931

ext.:

E-mail: mark.w.alexander@ct.gov

2. State other names by which the applicant is known, including business names.

Name:

Attachment F

Applicant Compliance Information Form



**Connecticut Department of
Energy & Environmental Protection**

Applicant Compliance Information

DEEP ONLY

App. No. _____

Co./Ind. No. _____

Applicant Name: Connecticut Department of Transportation

Mailing Address: 2800 Berlin Turnpike

City/Town: Newington

State: CT

Zip Code: 06131-7564

Business Phone:

ext.:

Contact Person: Mark W. Alexander

Phone: 860 594-2931 ext.

***E-mail: mark.w.alexander@ct.gov**

If you answer **yes** to any of the questions below, you must complete the Table of Enforcement Actions on the reverse side of this sheet as directed in the instructions for your permit application.

- A. During the five years immediately preceding submission of this application, has the applicant been convicted in any jurisdiction of a criminal violation of any environmental law?

☐ Yes ☒ No

- B. During the five years immediately preceding submission of this application, has a civil penalty been imposed upon the applicant in any state, including Connecticut, or federal judicial proceeding for any violation of an environmental law?

☐ Yes ☒ No

- C. During the five years immediately preceding submission of this application, has a civil penalty exceeding five thousand dollars been imposed on the applicant in any state, including Connecticut, or federal administrative proceeding for any violation of an environmental law?

☐ Yes ☒ No

- D. During the five years immediately preceding submission of this application, has any state, including Connecticut, or federal court issued any order or entered any judgement to the applicant concerning a violation of any environmental law?

☐ Yes ☒ No

- E. During the five years immediately preceding submission of this application, has any state, including Connecticut, or federal administrative agency issued any order to the applicant concerning a violation of any environmental law?

☐ Yes ☒ No

Table of Enforcement Actions

(1) Type of Action	(2a) Date Commenced	(2b) Date Terminated	(3) Jurisdiction	(4) Case/Docket/ Order No.	(5) Description of Violation

☐ Check the box if additional sheets are attached. Copies of this form may be duplicated for additional space.

Attachment G

- Datum conversion table
- Regulatory limit determination
- Detailed project work description
- US Coast Guard STURRA response letter
- DEEP Fisheries Correspondence
- Historic Properties Exemption

Part IV

Orthometric Conversion Table

	NGVD29	NAVD88
	(feet)	(feet)
CJL	5.63	4.6
MHW	3.8	2.77
MLW	-1.1'	-2.13

Elevations on project plans reference the NGVD29 datum.

Conversions between datums utilize the following relationship

NAVD88 + 1.03' = NGVD29

Determination of regulatory limit

On May 1, 2013 an environmental field investigation of the project site was conducted by Richard Canavan, PWS to determine the boundaries of coastal wetland resource areas. In the project area under the bridge it was observed that the banks of the Mill River are armored with stone and unvegetated. The armoring on the banks of the river extended above the apparent high tide line based on indicators on the stone and bridge support piers. The sediment in the channel of the River was also unvegetated. The vegetation above the armoring was dominated by knotweed (*Polygonum cuspidatum*) which is not a tidal wetland indicator (FACU). Based on the field observations it was determined that no tidal wetlands were present in the project area. Given the absence of tidal wetlands the limit of jurisdictional area was determined to be the CJL for New Haven. The coastal resource at the site is limited to estuarine embayment.

Part V

Project Work Description

The project includes the following repairs to the topside of the bridge deck and will include the adjacent spans for Exits 5 and 6 (Bridge Nos. 03014B & 03014C):

- partial depth milling and bituminous overlay to roadway surface
- replacement of deck joints
- patching exposed deck ends
- replacement of an overhead sign

Work to the topside of the bridge will be contained on the bridge deck away from the Mill River.

Repairs to the underside of the bridge will include:

- steel repairs
- beam end painting
- bearing replacement
- substructure repairs
- scupper cleaning, pipe repair/replacement, weep pipe extension

Repairs to the steel, beam end painting and bearing replacement will occur close to underside of the deck with proper enclosures to ensure that no construction debris falls into the Mill River. Substructure repairs will repair cracks and deteriorated concrete. Mechanical means will be utilized to splice new reinforcement with deteriorated existing reinforcement at high stress regions. Access for making

substructure repairs to concrete shall be from the roadway on the bridge utilizing scaffolding and snoots. Mortared joints for the granite stone facing will be re-pointed in areas where mortar is missing. For piers in the Mill River access to the piers would be from a float. The float would be placed into the Mill River over the stone armoring at the bank in the project area. The work from the float will include sheeting to collect any loose mortar that is removed. No substructure repairs will occur below the water surface of the Mill River. Some repointing may occur below the CJL elevation if joints in need of repair can be accessed 'in the dry'.

The project will clean existing scuppers and the drainage system on the bridge. All cleaned material from the drainage system will be collected and properly disposed of, off-site. Weep pipes on the bridge will be extended to 3-inches below the existing girder bottom flanges. Repairs to the drainage system will replace existing components in-kind. No expansion of the existing bridge deck is proposed and the project is limited to maintenance and repair of the existing structure.

The project does not include any work below the surface of the water of the Mill River and the project is limited to repair and maintenance of the existing structure without expansion beyond the existing footprint. Because the project is constrained to repairs of the existing bridge structure no grading or excavation is proposed. Sedimentation control will be limited to the control of debris during activities such as cleaning the existing drainage system.

The work sequence for the project may include several of the repair tasks concurrently and will be conducted in a sequence that minimizes disturbance to traffic.

U.S. Department of
Homeland Security

United States
Coast Guard



Commander
First Coast Guard District

One South Street
Battery Park Building
New York, NY 10004-1466
Staff Symbol: dpb
Phone: (212) 514-4335
Fax: (212) 514-4337

18 December 2014

David Nardone
Engineering Team Leader
Federal Highway Administration
628-2 Hebron Ave
Glastonbury, CT 06033

Re: NV-922: I-91 Bridges over Quinnipiac River & Mill River

Dear Mr. Nardone,

This is in response to your letter dated December 16, 2014 invoking 23 U.S.C. Section 144 (h) for the referenced waterway construction project. Based upon information you have provided, we concur with your determination.

Although this project will not require a bridge permit other areas of Coast Guard jurisdiction apply. The following stipulations must be met:

- a. The lowest portion of the superstructure of the bridge across the waterway should clear the 100-year flood height elevation, if feasible.
- b. The requirement to display permanent navigation lights at the bridge is waived. This waiver may be rescinded at any time in the future should nighttime navigation through the bridge be increased to a level determined by the District Commander to warrant lighting (generally four or more passages per week between the hours of sunset and sunrise).
- c. This office shall be contacted at least 30 days prior to commencement of any work for review of construction plans and determination of other requirements for work over the navigable channel.
- d. If this project will require waterborne equipments, waterway closures/restrictions or safety zones established, requests must be made a minimum of 90 days in advance. Please contact USCG Sector Long Island Sound, 120 Woodward Ave. New Haven, CT 06512, phone (203) 468-4596.
- e. Any spillage of oil or oil-based products during construction must be promptly reported to the Coast Guard by calling 1-800-424-8802.
- f. This approval does not relieve the bridge owner of the obligation or responsibility for compliance with the provisions of any other law or regulation as may be under the jurisdiction of any other federal, state or local authority having cognizance of any aspect of the location, construction or maintenance for the proposed bridge.

If you have any further questions feel free to contact this office at the number above.

Sincerely,



C. J. BISIGNANO
Supervisory Bridge Management Specialist
By direction

Copy: Sector LIS
USACOE, New England Division

CTDEP INLAND FISHERIES DIVISION COORDINATION TRANSMITTAL MEMORANDUM

DOT Project #: 92-669

Town: New Haven

Bridge #: 03014A

Waterway: Mill River

Drainage Basin Name & Number: Mill River Regional Basin 5302

Project Description / Scope of work: Rehabilitation of Bridge No. 03014A, I-91 NB over Mill River

Design contact: Andrew Cardinali, Ext. 3315

Town Initiated Project? Y/☒N

Initial Coordination

The following information is provided as required:

Submittal Date: _____

Plan Date: _____

- ☒ Legible location map with project site clearly marked.
- ☒ Description of scope of work and if developed, pertinent 1/2 scale plans as deemed relevant.
- ☒ Area photographs.

To be completed by CTDEP Inland Fisheries Division and returned to DOT Environmental Planning Division

- _____ Affect of proposal on our program interests is negligible.No further review is warranted.
- ☒ Additional information is required, a list of requested information is attache
- _____ Comments and recommendations are attached.

Initials MJ

Date: 6/5/2013

Structure Type Agreement

The following information is provided as required:

Plan date: _____

- ☒ Copies of previous correspondence from Fisheries Division.
- _____ If previous recommendations cannot be incorporated, provide narrative explaining why.
- ☒ 1/2 scale plans of pertinent plan sheets including plan view, elevation view, profile and details as deemed relevant.

To be completed by CTDEP Inland Fisheries Division and returned to DOT Environmental Planning Division

DEP Fisheries agrees to the structure type presented in the plans.

Unconfined in-stream work must be limited to _____

_____ Other comments and recommendations are attached.

Initials MJ

Date: 6/5/2015

Final Fisheries Sign-Off

_____ Check here if project is not FM MOU eligible and will be finalized through DEP IWRD.

The following information is provided as required:

Plan date: _____

- _____ Copies of previous correspondence from Fisheries Division.
- _____ If previous recommendations cannot be incorporated, provide narrative explaining why.
- _____ 1/2 scale plans of pertinent plan sheets including plan view, elevation view, profile and details as deemed relevant.

To be completed by CTDEP Inland Fisheries Division and returned to DOT Environmental Planning Division

- ☒ DEP Fisheries comments have been adequately incorporated into project plans.
- _____ The attached Special Conditions must be incorporated into the contract language.

Mark Johnson
DEP Fisheries Biologist

6/5/2015
Date



STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546



Determination of Exemption for Historic Properties

Author:	Mark McMillan	Date:	November 5, 2013
----------------	---------------	--------------	------------------

Project:	State No.:	92-669
	F.A.P. No.:	TBD
	Project Title:	Rehabilitation of Bridge #03014A I-91 NB over Mill River, State Street, I-91 Ramp 140
	Town:	New Haven

Category of Exemption:	Appendix B "Screened Undertakings..."
-------------------------------	---------------------------------------

Project Description

The project proposes to use state and federal funds to rehabilitate Bridge #03014A, which carries northbound traffic of I-91 over Mill River, State Street and I-91 Ramp #140 in New Haven. Recent inspections by Connecticut Department of Transportation's Bridge Safety and Evaluation Unit have determined that the structure is in Poor condition. As such, it has been added to list of the State Bridge Program, which identifies structures requiring major rehabilitation or replacement.

A Rehabilitation Study Report is currently underway. Three alternatives will be considered when the report is finalized, but the current scope of work includes:

- Performing repairs to the structural steel and substructure
- Replacing deck joints
- Performing spot cleaning and repainting of the structural steel and fixed bearings, including expansion bearings.
- Cleaning scuppers
- Repairing or replacing pipes and conduits
- Replacing an overhead sign structure

At present, the project does not anticipate ground disturbance, though some work will need to be performed from the water. Construction is scheduled to begin in 2017.

Technical Review of the Project

Bridge #03014A was constructed in 1965 as part of I-91 through New Haven. It is a fifteen span structure composed of a reinforced concrete deck that is carried on steel stringers that are supported on reinforced concrete abutments and piers.

The bridge accommodates four lanes of traffic as well as lanes for exit and entrance ramps. The parapets are simple concrete walls that are integrated with the bridge superstructure. At intervals along the parapet are modern “cobra head” light fixtures. The bridge does not exhibit design or engineering qualities that would make it eligible for the National Register of Historic Places. As part of the Dwight D. Eisenhower National System of Interstate and Defense Highways, the bridge is exempted from Section 106 review.¹ This exemption applies only to the elements of the interstate system, such as the bridge and its associated ramps.

Qualified staff from the Office of Environmental Planning (OEP) has screened this project to identify historic resources within the area of potential effect that may be affected by this undertaking. To the northwest of the bridge is the Upper State Street National Register Historic District.² Despite its proximity, the district is physically and visually separated from the bridge by the southbound lanes of I-91. As proposed, the repair work to the bridge will not have a foreseeable effect on the historic qualities of the district.

The sediments surrounding the bridge are composed of Udothents-Urban Land Complex. The area surrounding the bridge is characterized by mixed industrial, commercial and residential development. Based on predictive models, these types of soils have a low potential for containing any intact archaeological resources. The only known archaeological sites within the area are located over a mile from the bridge. Given that the majority of the work will occur on the bridge overpass, the undertaking is unlikely to require any soil disturbance. As proposed, the project will not affect archaeological resources, should they exist in the area of potential effect.

¹ Advisory Council on Historic Preservation, *Exemption Regarding Historic Preservation Review Process for Effects to the Interstate Highway System*, Federal Register, Vol. 70, No. 45, (3/10/2005).

² NRIS #84001143, listed on September 7, 1984.

Determination

The subject project can be categorized as a “Bridge/Culvert Related Project” of Appendix B *Screened Undertakings Not Requiring Connecticut SHPO Review* of the recently signed Programmatic Agreement between FHWA, CTDOT, CTSHPO and ACHP³. Because Bridge #03014A is not eligible for the National Register of Historic Places and the limits of the proposed work are unlikely to impact intact, eligible archaeological sites, the OEP has determined that the project is exempt from Section 106 review. No further consultation with the SHPO is necessary. A copy of this finding will be included in the quarterly report of Minor Transportation Projects that is submitted to the SHPO.



Mark McMillan
National Register Specialist
Office of Environmental Planning
Connecticut Department of Transportation



Image 1: East facade of Bridge #03014A.

³ “Programmatic Agreement among the Federal Highway Administration, the Connecticut Department of Transportation, the Connecticut State Historic Preservation Officer, and the Advisory Council on Historic Preservation Regarding Implementation of Minor Transportation Projects”, signed October 24, 2012.

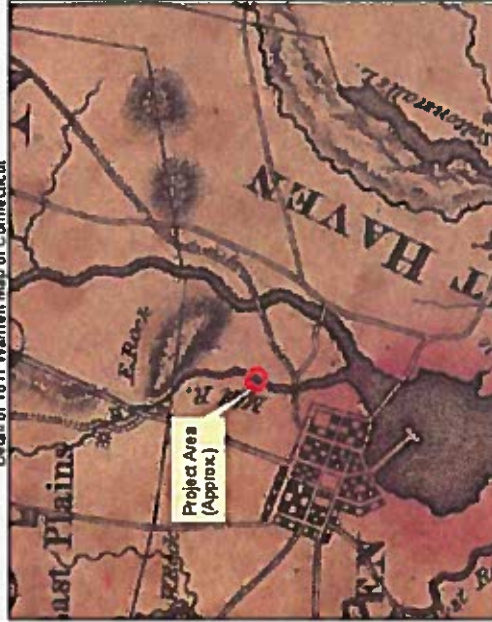
Detail of 2010 Aerial Photography



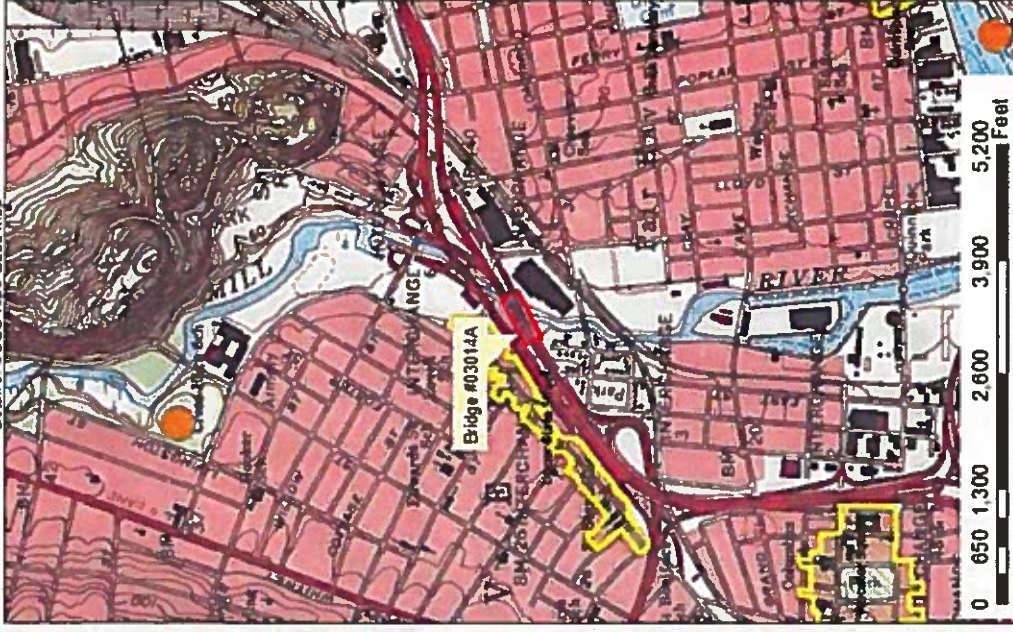
Detail of 1879 Bailey Bridge Map of New Haven



Detail of 1811 Warren Map of Connecticut



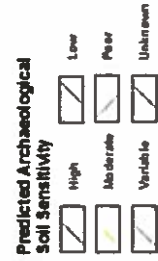
Detail of USGS Topo Quad Map



Office of Environmental Planning Environmental Review - Historical and Archaeological Resources

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State Project No. 92-689
F.I.D.# TBD
Rehabilitation of Bridge #03014A
I-91 NB over Mill River & State Street
New Haven



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

m e m o r a n d u m

FLOOD MANAGEMENT GENERAL CERTIFICATION

Project No.: 92-669

Description: Rehabilitation of Bridge No. 03014A
I-91 NB over Mill River

Town: New Haven

Date: April 15, 2015

to: Mr. Michael E. Masayda
Trans. Principal Engineer
Hydraulics and Drainage
Bureau of Engineering and Construction

from: Andrew J. Cardinali
Transportation Supervising Engineer
Bridges
Bureau of Engineering and Construction

Please review this request for Flood Management General Certification and indicate your concurrence below.

Certification (to be completed by designer)

I have read the Flood Management General Certification and the descriptions for the approved DOT minor activities. This project qualifies for the Flood Management General Certification under:

- ☐ Minor Safety Improvements and Streetscape Projects
- ☐ Roadway Repaving, Maintenance & Underground Utilities
- ☐ Minor Stormwater Drainage Improvements
- ☐ Removal of Sediment or Debris from a Floodplain
- ☐ Wetland Restoration Creation or Enhancement
- ☐ Scour Repairs at Structures; *(Must acquire DEEP Fisheries Concurrence to be eligible)*
- ☐ Guide Rail Installation
- ☐ Deck and Superstructure Replacements
- ☒ Minor Bridge Repairs and Access
- ☐ Fisheries Enhancements
- ☐ Surveying and Testing
- ☐ Bicycle / Pedestrian, Multi Use Trails and Enhancement Projects

The following required documentation is attached in support of this certification:

- Project description
- Location plan
- Description of Floodplain involvement and how project qualifies for general certification
- 8-1/2" by 11" excerpt copy of the FEMA Flood Insurance Rate Map (FIRM) and Floodway Boundary Map (if applicable)
- Design plans, (Semi Final Design Review plans) with FEMA floodplain and floodway boundaries plotted, cross sections and profiles, as necessary, that clearly depict the floodplain involvement
- FEMA 100-year flood elevation plotted on elevation view (for structures)

Print Name Susan Bakulski

Title Project Engineer

Signature 

Date 4/14/2015

Concurrence (to be completed by Hydraulics and Drainage)

Based on the documentation submitted, I hereby concur that the project qualifies for Flood Management General Certification.

If there are any changes to the proposed activities within the floodplain or floodway, the project must be re-submitted for review and approval.

Signature

Date

cc: James Fallon
Environmental Planning File
DEP Flood Management Certification File
Hydraulics and Drainage File

Andrew J. Cardinali – Dobie A. Kania
Jacob J. Argiro – CME

Rev 02/12

Flood Management General Certification

State Project Number: 92-669

Town/City: New Haven

Bridge Number: 03014A

I-91 NB over Mill River and State Street

Project Description

The project includes the following repairs to the topside of the bridge deck and will include the adjacent spans for Exits 5 and 6 (Bridge Nos. 03014B & 03014C):

- partial depth milling and bituminous overlay to roadway surface
- replacement of deck joints
- patching exposed deck ends
- replacement of an overhead sign

Work to the topside of the bridge will be contained on the bridge deck and above the flood elevation of the Mill River, which is elevation 9' NAVD88 or 10.03' NGVD29.

Repairs to the underside of the bridge will include:

- steel repairs
- beam end painting
- bearing replacement
- substructure repairs
- scupper cleaning, pipe repair/replacement, weep pipe extension

Repairs to the steel, beam end painting and bearing replacement will occur close to underside of the deck with proper enclosures to ensure that no construction debris falls into the Mill River. Substructure repairs will repair cracks and deteriorated concrete. Mechanical means will be utilized to splice new reinforcement with deteriorated existing reinforcement at high stress regions. Access for making substructure repairs to concrete shall be from the roadway on the bridge utilizing scaffolding and snooters. The work on the underside of the bridge deck be above the flood elevation in the project area.

The lower portions of the bridge support piers have a granite stone facing. Mortared joints on the stone facing will be re-pointed in areas where necessary. Some piers can be accessed from land and some piers are in the Mill River. For piers in the water access to the piers would be from a float. The float would be placed into the Mill River over the stone armoring at the bank in the project area. This work will include work at or below the floodplain elevation. The work from the float will include sheeting to collect any loose mortar that is removed. No substructure repairs will occur below the water surface of the Mill River. However work will occur below the floodplain and CJL elevations where repair is necessary and joints can be repaired 'in the dry'.

The project will clean existing scuppers and the drainage system on the bridge. All cleaned material from the drainage system will be collected and properly disposed of, off-site. Weep pipes on the bridge will be extended to 3-inches below the existing girder bottom flanges. Repairs to the drainage system will replace existing components in-kind. It is possible that drainage pipes that extend below the floodplain elevation would be replaced in kind. No expansion of the existing bridge deck is proposed and the project is limited to maintenance and repair of the existing structure.

Project Qualifications for General Certification

The majority of the project occurs on the bridge at elevations above the floodplain elevation. Proposed work at or below the floodplain elevation is limited to repointing, joint repair and in-kind replacement of drainage system components. The proposed repairs are included in Category #9 Minor Bridge Repairs including proper containment.

The project will meet the following conditions required of all FM-General approvals:

- Sedimentation and erosion controls are included in the design in accordance with ConnDOT standards. The project avoids ground disturbance and will include the appropriate construction debris containment systems.
- Work in floodplain will be conducted from a float which will be able to be removed during storm and flooding events.
- The project will only include work from a float with no in-water work. No impacts to Fisheries resources will occur.



MAP SCALE 1" = 500'



NFIP

PANEL 0433J

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP
NEW HAVEN COUNTY,
CONNECTICUT
(ALL JURISDICTIONS)

PANEL 433 OF 635
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:
COMMUNITY NUMBER 090078
HAUDEN, TOWN OF
NEW HAVEN, CITY OF
PANEL NUMBER 0433
SUFFIX J

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
09009C0433J
MAP REVISED
JULY 8, 2013

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

